

Section D. Draft 1915(b) Cost-Effectiveness Preprint and Instructions

Cost-effectiveness is one of the three elements required of a 1915(b) waiver. The Cost Effectiveness test for 1915(b) waivers will no longer rely on a comparison of “with waiver” and “without waiver” costs. Instead, States must demonstrate that their waiver cost projections are reasonable and consistent with statute, regulation and guidance. The State must project waiver expenditures for the upcoming two-year waiver period, called Prospective Year 1 (P1) and Prospective Year 2 (P2). The State must then spend under that projection for the duration of the waiver. In order for CMS to renew a 1915(b) waiver, a State must demonstrate that the waiver was less than the projection during the retrospective two-year period.

The 1915(b) Cost-Effectiveness Preprint and Instructions are divided into 4 major sections:

- Section I. Definitions and Terminology
- Section II. General Principles of the Cost-Effectiveness Test
- Section III. Instructions for Appendices
- Section IV. State Completion Section

In addition there are seven Appendices:

- Appendix D1. Member Months
- Appendix D2.S Services in the Actual Waiver Cost
- Appendix D2.A Administration in the Actual Waiver Cost
- Appendix D3. Actual Waiver Cost
- Appendix D4. Adjustments in Projection
- Appendix D5. Waiver Cost Projection
- Appendix D6. RO Targets
- Appendix D7. Summary Sheet

States should complete the Appendices first and then describe the Appendices in the State Completion Section of the Preprint. The Appendices included with the Preprint have been filled in with a completed actual example from the State of Nebraska. Each State should modify the spreadsheet to reflect their own program structure and replace the Nebraska information with its own data. *Note: the example is for illustrative purposes only. It does not reflect Nebraska’s actual experience or program structure.*

In addition, technical assistance is available through each State’s CMS Regional Office. Each Regional Office has a guide providing additional information regarding the procedures and policies for developing cost-effectiveness documentation for 1915(b) waiver requests.

$\text{Actual Waiver Service Cost} + \text{Actual Waiver Administration Cost} \leq \text{Projected Waiver Cost}$
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I. Definitions and Terminology

The following terms will be used throughout this document and are defined below:

For Initial Waivers:

Historical Period

- BY = Base Year

Projected Waiver Period

- P1 = Prospective Year 1
- P2 = Prospective Year 2

For Conversion Waivers (existing waivers which will “convert” from the former “with and without waiver” cost effectiveness test to the newcost effectiveness test described in these instructions):

Historical Period for first time a State completes the new cost effectiveness test

- BY = Base Year – CMS prefers 7/1/2001 – 6/30/2002

Projected Waiver Period

- P1 = Prospective Year 1
- P2 = Prospective Year 2

For Renewal Waivers:

Retrospective Waiver Period

- R1 = Retrospective Year 1
- R2 = Retrospective Year 2 – Project forward from end of R2 using experience/trends from R1 and R2

Projected Waiver Period

- P1 = Prospective Year 1
- P2 = Prospective Year 2

Form CMS-64: *Quarterly Medicaid Statement of Expenditures for the Medical Assistance Program* (MBES - formerly known as the HCFA-64) submitted by States as an accounting statement under Title XIX and Title XXI of the Social Security Act. The *Form CMS 64* is completed according to the reporting instructions in the State Medicaid Manual, Section 2500. Additional technical assistance is available through each State’s CMS Regional Office. Each Regional Office will have a guide providing additional information regarding the procedures and policies for developing cost-effectiveness documentation for 1915(b) waiver requests. In general, CMS-64 data is recorded based on the date that a payment was made to a provider.

Form CMS-64 Summary and CMS-64.9:

The *Form CMS-64 Summary* is an accounting of all expenditures for Medical Assistance **services and administration** for both MAP (CMS-64.9) and ADM (CMS-64.10) under Medicaid Title XIX and Title XXI Medicaid Expansion Groups including waiver expenditures. The Summary Sheet is generated from all worksheets entered by the State in support of each line item (including prior period adjustments). The *CMS-64.9* reports current expenditures for Medical Assistance **services** under the non-waiver programs.

Form CMS-64.10: The *Form CMS-64.10* is an accounting of **administrative** expenditures in Medicaid Title XIX for non-waiver programs.

Form CMS-64.21U: The *Form CMS-64.21U* is an accounting of **service and administrative** expenditures for the State Medicaid Expansion portion of the Children’s Health Insurance Program (SCHIP) Title XXI. This form reports expenditures for children covered under 1905(U)(2) and (U)(3) of the Social Security Act.

Form CMS-64 F:

The *CMS-64 F Form* recaps all *CMS-64.21 Medicaid Expansion Forms* and *Medicaid CMS 64.9 Forms*. The *CMS-64 F Form* is summarized in the *CMS-64 Summary Form*. The *CMS-64 F* describes the source of the data on each line of the *CMS-64 Summary*. An example follows:

CMS-64 Summary, Line 6 MAP = \$100

CMS-64 F, Line 6 MAP, *Form CMS-64.9* = \$80

CMS-64F, Line 6 MAP, *Form CMS-64.21* = \$20

Form CMS-64.9 Waiver: Same as the *Form CMS-64.9* except the *Form CMS-64.9 Waiver* reports Medical Assistance service payments only for the population and services covered by a State's waiver program. The State will provide separate *CMS-64.9 Waiver forms* for each 1915(b) waiver program. Therefore, the *CMS-64.9 Waiver forms* will contain data that is a subset of the data contained in the *Form CMS-64 Summary*. If a beneficiary is enrolled in more than one waiver program (e.g., a comprehensive MCO risk contract and a separate PIHP for mental health services), the State reports costs for each beneficiary impacted by each waiver on a *CMS-64.9 Waiver form* for expenditures that are not included on other *64.9 Waiver forms*. The *CMS-64.9 Waiver forms* are mutually exclusive, meaning that expenditures must not be counted twice. Multiple *CMS-64.9 Waiver forms* may be appropriate for a waiver. For instance, the State may choose to have multiple Medicaid Eligibility Groups (MEGs) for each waiver and can use a separate form for each MEG – provided that the expenditures are not included on other *64.9 Waiver forms*. If the costs for a certain population includes beneficiaries which are impacted by both an 1115 demonstration and a 1915(b) waiver, the State will report the costs for that particular population (including only beneficiaries impacted by both an 1115 demonstration and a 1915(b) waiver) on a single, separate *CMS 64.9 Waiver form* that will be reported once, but counted in both cost test analyses. The separate *CMS 64.9 Waiver form* should be clearly identified as impacting both the 1115 demonstration and 1915(b) waiver. See the specific instructions in the CMS 64 instruction section in the Technical Manual for that circumstance. If the State has specific questions regarding this requirement, please contact your State's Regional Office (RO). To enhance the CMS-64 Waiver tracking, the State should report their expenditures for the population covered under their waiver using the following Standard 1915(b) Waiver coding system:

- State Code: This will be the State's two-digit identifier (e.g., CA, FL, PA);
- Two digit waiver number;
- Followed by the two-digit waiver renewal number; and
- Followed by the two-digit consecutive waiver year.

Please work with your RO if you need guidance identifying this number. *Example: The Iowa Plan reporting for a waiver renewed on July 1, 2001 would use: IA07.R02.05. The Iowa Plan is Iowa's seventh waiver. It was renewed for the second time on July 1, 2001. If the first year of their waiver began July 1, 1997, the waiver year beginning July 1, 2001 would be 05.*

State Code	IA
Two-digit waiver number	07
Two-digit waiver renewal number	02
Two-digit consecutive waiver year	05

Form CMS-64.9P Waiver: Same as the *CMS-64.9 Waiver* except reporting a prior period adjustment.

Form CMS-64.10 Waiver: Same as the *Form CMS-64.10* except the *Form CMS-64.10 Waiver* reports Administration costs only for the population and services covered by the State's 1915(b) waiver program.

The State will provide separate *CMS-64.10 Waiver forms* for each 1915(b) waiver program. The State must report administrative costs attributable to each waiver program on separate *CMS-64.10 Waiver forms*. Administrative costs that are applicable to more than one waiver program must be allocated to the respective *CMS-64.10 Waiver forms* based on a method approved by CMS (e.g., allocation based on caseload or Medical Assistance payments). Therefore, the *CMS-64.10 Waiver forms* will contain data that is a subset of the data contained in the *Form CMS-64 Summary*. If the State has specific questions regarding this requirement, please contact your State's RO. To enhance the CMS-64 Waiver tracking, the State should report their expenditures for the population covered under their waiver using the Standard 1915(b) Waiver coding system. *Note: States should document their cost allocation methodology for administration costs between waivers in D.IV.G.*

Form CMS-64.10P Waiver: Same as the *CMS-64.10 Waiver* except reporting a prior period adjustment.

Form CMS-64.21U Waiver: Same as the *Form CMS-64.21U* except the *Form CMS-64.21U Waiver* reports Medical Assistance service payments only for the population and services covered by a State's waiver programs. Cost Effectiveness requirements apply only to Medicaid Expansion SCHIP populations under 1905(U)(2) and (U)(3) under 1915(b) waivers. This requirement does not apply to separate stand alone SCHIP programs that are not Medicaid expansion programs or Medicaid Expansion populations not under 1915(b) waivers. Medicaid Expansion populations under 1905(U)(2) and (U)(3) should be included under 1915(b) waivers if the State is required to waive 1915(b)(1) or 1915(b)(4) in order to implement a particular programmatic aspect of their FFS or managed care program. The State will provide separate *CMS-64.21U Waiver forms* for each 1915(b) waiver program. Therefore, the *CMS-64.21U Waiver forms* will contain data that is a subset of the data contained in the *Form CMS-64 Summary*. If a beneficiary is enrolled in more than one waiver program (e.g., a comprehensive MCO risk contract and a separate PIHP for mental health services), the State reports costs for each beneficiary impacted by each waiver on a *CMS-64.21U Waiver form* for expenditures that are not included on other *64.21U Waiver forms*. The *CMS-64.21U Waiver sheets* are mutually exclusive, meaning that expenditures must not be counted twice. Multiple *CMS-64.21U Waiver forms* may be appropriate for a waiver. For instance, the State may choose to have multiple Medicaid Eligibility Groups (MEGs) for each waiver and can use a separate form for each MEG – provided that the expenditures are not included on other *64.21U Waiver forms*. If the costs for a certain population includes beneficiaries which are impacted by both an 1115 demonstration and a 1915(b) waiver, the State will report the costs for that particular population (including only beneficiaries impacted by both an 1115 demonstration and a 1915(b) waiver) on a single, separate *CMS 64.21U Waiver form* that will be reported once, but counted in both cost test analyses. The separate *CMS 64.21U Waiver form* should be clearly identified as impacting both the 1115 demonstration and 1915(b) waiver. See the specific instructions in the CMS 64 instructions section in the Technical Manual for that circumstance. If the State has specific questions regarding this requirement, please contact your State's Regional Office (RO). To enhance the CMS-64 Waiver tracking, the State should report their expenditures for the population covered under their waiver using the Standard 1915(b) Waiver coding system.

Form CMS-64.21UP Waiver: Same as the *CMS-64.21U Waiver* except reporting a prior period adjustment.

Schedule D: Schedule D is a report of waiver expenditures by waiver year for a given waiver period that is generated within the Medicaid Statement of Expenditures for the Medical Assistance Program (MBES)

when selected by an MBES user from the reports menu. The State will submit a Schedule D for the previous waiver period with each renewal submission.

Base Year: In an Initial Waiver (i.e., first submission of a new program's cost-effectiveness data), CMS requires all States to create a BY which can be used to project total expenditures for the projected waiver period (P1 and P2). The BY must be the most recent year that has already concluded. The State must justify the use of any other year as the base year. All expenditures in the BY will be verified by the RO. The BY expenditure and enrollment data should be the actual experience specific to the population covered by the waiver. The maximum time period between a BY and P1 should be five years. CMS recommends that States use the first day of a Federal quarter as the effective date for 1915(b) waivers to simplify the process of using CMS-64 Waiver submissions in demonstrating cost-effectiveness. If this is not possible, States must use the first day of a month as the effective date.

Base Year for Conversion Waivers: In Conversion Renewal Waivers (i.e., existing waivers which will comply with these cost-effectiveness instructions *for the first time under the new BBA regulations only*), CMS will require all States to create a BY which can be used to project total expenditures for the projected waiver periods (P1 and P2). If possible, the BY should be a year which has already concluded and where no additional payments can be recorded. All expenditures in the BY will be verified by the RO. CMS prefers that states use 7/1/2001 – 6/30/2002 as their BY because it was prior to the announcement of the new test and would not allow states to increase costs after the announcement that there would be no retrospective review for the conversion renewal period. That base year is also complete and allows states to begin analysis in order to submit their waivers in a timely manner. If the State would like, CMS will negotiate a BY that has already been concluded other than 7/1/2001 – 6/30/2002. CMS recommends that States use the first day of a quarter as the effective date for 1915(b) waivers to simplify the process of using CMS-64 Waiver submissions in demonstrating cost-effectiveness. If this is not possible, States must use the first day of a month as the effective date. *Note: For the first renewal of an initial waiver or the first time that a State uses the new method, actual administration and service costs must be verified by the RO prior to adding into waiver cost projections.*

Caseload: The total number of individuals enrolled on a waiver at any given time is its caseload. Because cost-effectiveness is calculated on a PMPM, the State will not be held accountable for caseload changes between Medicaid Eligibility Groups nor for overall changes in the magnitude of the State's caseload. The standard measurement for caseload is member months.

Case mix: The payments and the PMPM costs of a waiver program are affected by the distribution of the caseload among different reporting categories (MEGs in a 1915(b) waiver). The relative distribution of a member months among MEGs is referred to as membership mix or "case mix". Anytime a State has a MEG with greater than average cost and a caseload growing at a faster rate than less expensive MEGs, the overall weighted average should account for casemix changes or there will be a false impression of the waiver not being cost-effective. *For example, in a State with 100 enrolled members, MEG 1 has a PMPM cost of \$3,000 and has 25% of the member months (25 member months) in the base year. MEG 2 has a PMPM cost of \$300 and has 75% of the member months (75 member months) in the base year. The overall weighted PMPM for BY with the base year casemix would be:*

$$\frac{(\$3000 \times 25) + (\$300 \times 75)}{100} = 975 \quad \frac{\text{BY PMPM} \times \text{BY MM}}{\text{BY MM}} = \text{BY PMPM With Casemix for BY}$$

The State projects that the casemix and costs will remain the same in the future (P1). However, if in P1, the program's casemix changes so that MEG 1 has 30% of the member months and MEG 2 has 70% of the member months in P1. The overall weighted PMPM for P1 with the P1 casemix would be:

$$\frac{(\$3000 \times 30) + (\$300 \times 70)}{100} = \$1,110 \quad \frac{P1 \text{ PMPM} \times P1 \text{ MM}}{P1 \text{ MM}} = P1 \text{ PMPM With Casemix for P1}$$

In this case, because MEG 1 has a high cost, a relative distribution change from MEG2 to MEG 1 artificially inflates the PMMP if the State does not account for the changes in the casemix. The overall weighted PMPM for P1 with Casemix for BY

$$\frac{(\$3000 \times 25) + (\$300 \times 75)}{100} = 975 \quad \frac{P1 \text{ PMPM} \times BY \text{ MM}}{BY \text{ MM}} = P1 \text{ PMPM With Casemix for BY}$$

Throughout this document, CMS has explained when to account for casemix changes and how to calculate those calculations. In determining whether to renew the waiver, States are not held accountable for caseload changes between Medicaid Eligibility Groups nor for overall changes in the magnitude of caseload in the cost-effectiveness test. However, for the purpose of on-going quarterly monitoring, the ROs will be using a two-fold test: one which accounts for casemix changes (to monitor for PMPM waiver cost-effectiveness) and another which does not account for casemix changes (to monitor for overall growth in CMS-64 expenditures). These calculations are projected in D6 and explained in the instructions and Technical Assistance Guide.

Medicaid Eligibility Group (MEG) - A MEG is a population reporting category usually determined by eligibility group, geography, or other characteristics that would appropriately reflect the services that will be provided. Each State will have at least one Title XIX MEG for a Medicaid 1915(b) waiver. If the State includes MCHIP populations under 1905(U)(2) and/or (U)(3) in the 1915(b) waiver, then the State will also have at least one Title XXI MEG. Each MEG's costs will be reported on a separate 64.9 Waiver Form (64.21U Waiver Form if the MEG is for an MCHIP population). States are held accountable for member month distribution changes within MEGs, but not between MEGs. In cases where significantly different costs exist between different populations, the State should consider separate MEGs to account for the likelihood of a change in the proportion of the enrollees being served in any single reporting group. The State should recognize the impact on cost trends of the increase in the proportion of membership, which would be associated with the higher cost group when determining cost-effectiveness. The State may want to consider a more complex reporting structure, which would attempt to recognize high-cost groups separately from low-cost groups. It is in a State's interest to group populations with similar costs and similar caseload growth together. *For example, a State has a program with 100 member months - 25% of which cost \$3,000 and 75% of which cost \$300. The State can choose to have a single MEG with a PMPM cost of \$975 or two MEGS with a weighted PMPM of \$975. If the state has a distribution shift between the two population groups so that there are relatively more expensive persons costing \$3,000, the State will be held accountable for that redistribution effect if it has only one MEG and will not be held accountable if the State has two MEGS. The weighted-average PMPM Casemix for BY for the single MEG is \$1,110. The weighted-average PMPM Casemix for BY for two MEGs is \$975.*

One MEG

<i>Base Year PMPM Casemix BY</i>		<i>P1 PMPM Casemix BY</i>	
$\frac{(\$3000 \times 25) + (\$300 \times 75)}{100}$	= 975	$\frac{(\$3000 \times 30) + (\$300 \times 70)}{100}$	= \$1,110
$\frac{BY \text{ PMPM} \times BY \text{ MM}}{BY \text{ MM}}$	=BY PMPM With	$\frac{P1 \text{ PMPM} \times P1 \text{ MM}}{BY \text{ MM}}$	=P1 PMPM With

	Casemix for BY		Casemix for BY
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Two MEGs

<i>Base Year PMPM Casemix BY</i>		<i>P1 PMPM Casemix BY</i>	
$\frac{(\$3000 \times 25) + (\$300 \times 75)}{100}$	= 975	$\frac{(\$3000 \times 25) + (\$300 \times 75)}{100}$	= 975
$\frac{\text{BY PMPM} \times \text{BY MM}}{\text{BY MM}}$	=BY PMPM With Casemix for BY	$\frac{(\text{P1 PMPM} \times \text{BY MM}) + (\text{P1 PMPM} \times \text{BY MM})}{\text{BY MM}}$	=P1 PMPM With Casemix for BY

Adjustments: Each State creates budget projections in a slightly different manner than other states. To address this, CMS has identified the most common adjustments states make to base year data (in initial and conversion waivers) and R2 data (in renewal waivers). The State must document each adjustment made, what is meant by each adjustment in the State Completion Section, how that adjustment does not duplicate another adjustment made, and how each adjustment was calculated. For example, in the State Completion section, the State is asked to document the State Plan Services Trend Adjustment. The State Plan Services Trend Adjustment reflects the expected PMPM cost and utilization increases (e.g., service prices, practice patterns, and technical innovation) in the managed care program from R2 (BY for initial/conversion waivers) to the end of the waiver (P2). Trend adjustments may be State Plan service-specific. Adjustments are typically expressed as percentage factors. Some states calculate utilization and cost increases separately, while other states may calculate a combined trend rate. Because the trend is expressed on a PMPM basis, the State should explain what is accounted for in the trend adjustment (i.e., cost and utilization increases). Any trend should not be duplicated in the State's adjustments for programmatic/policy/pricing adjustments. For example, a Legislative price increase would be explained and reflected in the programmatic/policy/pricing adjustment not under the State Plan Services Trend Adjustment. The State should document how the adjustments are unique and separate.

Trend: Growth in spending from one year to the next year. Growth may be due to cost and utilization increases. Growth due to external forces such as Legislative change or program/contract change should be documented separately under adjustments that include more than trend. If only a trend adjustment is allowed, then growth due to external forces is not allowed without a separate waiver amendment documenting additional savings. In this preprint, all adjustments are made on a PMPM basis. For the sake of simplicity, whenever trend appears alone it refers to a PMPM increase in the cost.

Comprehensive Waiver Criteria: When a person or population in a waiver receives services meeting the following criteria, the waiver would be processed under the Comprehensive Waiver Test: 1) Additional waiver services are provided to waiver enrollees under 1915(b)(3) authority; 2) Enhanced payments or incentives are made to contractors or providers (e.g., quality incentives paid to MCOs/PIHPs/PAHPs or providers, etc); or 3) State Plan services were procured using sole source procurement.

Expedited Test: States with waivers meeting requirements for the Expedited Test do not have to complete Actual Waiver Cost **Appendix D3** in the renewal and will not be subject to OMB review for that renewal waiver. To be able to use the Expedited Test for a particular waiver, a State would need to:

Submit a single 1915(b) waiver and cost-effectiveness analysis for all delivery systems with overlapping populations (overlapping populations are described further in the Technical Assistance Manual). None of the overlapping populations could meet the Comprehensive Waiver Criteria (see below) OR Submit a 1915(b) waiver and cost-effectiveness analysis for each population. No population could receive any services under a 1915(b) waiver, which meets the Comprehensive Waiver Criteria except for the transportation and dental waivers specifically exempted.

Projections in Renewal Waivers: In Renewal Waivers, State will use its actual experience R1 and R2 data to project its P1 and P2 expenditures from the endpoint of the previous waiver of R2. In each subsequent Renewal Waiver, the State will use an updated set of base data from R1 and R2 (to “rebase”) for use in projecting the Renewal Waiver’s P1 and P2. CMS recommends that States use the first day of a quarter as the effective date for 1915(b) waivers to simplify the process of using CMS-64 Waiver submissions in demonstrating cost-effectiveness. If this is not possible, States must use the first day of a month as the effective date.

Projected Waiver Period: P1 and P2 are projections of the Medicaid waiver program expenditures for the future two-year period for the population covered by the waiver.

Retrospective Waiver Period: R1 and R2 are the actual Medicaid waiver program expenditures in the historical two-year period for the population covered by the waiver. These R1 and R2 costs are compared to the P1 and P2 projections from the previous waiver submission. *Note: For the first renewal of an initial waiver or the first time that a State uses the new method, actual administration and service costs must be verified by the RO prior to developing waiver cost projections.*

1915(b)(3) service: An additional service for beneficiaries approved under the waiver paid for out of waiver savings. The service is not in the State’s approved State Plan. Capitated 1915(b)(3) services must have actuarially sound rates based only on approved 1915(b)(3) services and their administration subject to RO prior approval.

Acronyms used in this section

ADM - Administration

AI/AN – American Indian/Alaskan Native

BBA – Balanced Budget Act of 1997

BY – Base Year

CAP - cost allocation plan amendment

CE – Cost Effectiveness

CMS – Center for Medicare and Medicaid Services

Co. - County

CSHCN – Children with Special Health Care Needs

CY – Calendar Year

DRG - Diagnostic Related Group

DSH - Disproportionate Share Hospital Payments

EQR – External Quality Review

FFP – Federal Financial Participation

FMAP – Federal Medical Assistance Participation

MAP – Medical Assistance Program or services
FFS – fee-for-service
FQHC – Federally Qualified Health Center
FY- Fiscal Year
GME – Graduate Medical Education
HIO – Health Insuring Organization
MBES - Medicaid Statement of Expenditures for the Medical Assistance Program
MCO – Managed Care Organization
MCHIP – Medicaid-Expansion Children’s Health Insurance Program
MEG – Medicaid Eligibility Group
MMIS – Medicaid Management Information System
P1 – Prospective Year 1
P2 – Prospective Year 2
PAHP - Prepaid Ambulatory Health Plan
PCCM – Primary Care Case Manager
PIHP – Prepaid Inpatient Health Plan
PMPM – Per Member Per Month
RHC – Rural Health Center
SPA – State Plan Amendment
PRO – Peer Review Organization
Q1 – Quarter 1
Q4 – Quarter 4
Q5 – Quarter 5
R1 – Retrospective Year 1
R2 – Retrospective Year 2
RO – Regional Office
SCHIP – State Children’s Health Insurance Program
SURS - Surveillance and Utilization Review System
Title XIX – Medicaid
Title XXI - State Children’s Health Insurance Program
TPL – Third Party Liability
UPL – Upper Payment Limit

II. General Principles of the Cost-Effectiveness Test

1. Cost-effectiveness is one of the three elements required of a 1915(b) waiver. In order to grant a 1915(b) waiver, a State must project waiver expenditures for the upcoming two-year waiver period, called Prospective Year 1 (P1) and Prospective Year 2 (P2). The State must then spend under that projection for the duration of the waiver. The State will document program expenditures on the CMS- 64 for the same two-year period for the population covered by the waiver. In other words, a State initially projects spending and documents on an on-going basis that the actual expenditures are at or below the projected amount.
2. In order for CMS to renew a 1915(b) waiver, a State must demonstrate that it was cost-effective during the retrospective two-year period and must create waiver cost projections that will be used to determine cost-effectiveness for the prospective two-year period. The cost-effectiveness test is applied to the combined two-year waiver period, not to each individual waiver year or portion of a year.
3. The Cost Effectiveness test for 1915(b) waivers will no longer rely on a comparison of “with waiver” and “without waiver” costs. States no longer need to demonstrate that “with waiver” costs are lower than “without waiver” costs. Instead, States must demonstrate that their waiver projections are reasonable and consistent with statute, regulation and guidance. Retrospectively, the State will document that program expenditures were less than or equal to these projections. As with all elements of 1915(b) waivers, States may amend their cost-effectiveness projections if the waiver program changes or if additional information documents that the projections are inaccurate and should be modified accordingly.
4. Each Initial Waiver submission will include a State’s projected expenditures for the upcoming two year waiver period, called Prospective Year 1 (P1) and Prospective Year 2 (P2).
5. For each Renewal Waiver submission, a State will demonstrate cost-effectiveness for the retrospective waiver period by showing that the actual expenditures for retrospective years one and two (R1 and R2) did not exceed what the State had projected it would spend (P1 and P2) for the same two-year period on a per member per month (PMPM) basis for the population covered by the waiver. In other words, a State must compare what it had initially projected it would spend to what it actually spent over the waiver period and show that the actual expenditures came in at or under the projected amount. *Please note that for Conversion Waivers, CMS will not require a retrospective cost-effectiveness test. The State is only allowed a single Conversion Waiver, the first time the State submits a waiver renewal after the announcement of this new method.*
6. In order to project expenditures for the prospective waiver period, a State must use the actual historical expenditures from its base year (for an initial or conversion waiver) or from the past waiver period (R1 & R2 for a renewal waiver) as the basis for its cost effectiveness projection, adjusting for future changes in trend (including utilization and cost increases), and other adjustments acceptable to CMS. By always using actual historical expenditures from the most recent waiver period as the basis for the projection, the cost-effectiveness test for a waiver program will be “rebased” upon each renewal. *Note: this applies to both capitated and FFS*

services within 1915(b) waivers. The State must document that actual costs claimed on the CMS-64 were used to document the Actual Waiver Cost in Appendix D3.

7. All 1915(b) waivers will use this cost-effectiveness test, regardless of the type of waiver program or the delivery system under the waiver.
8. All Medicaid Medical Assistance program expenditures (fee-for-service and capitated services) related to the services covered by the waiver will be reported for the population enrolled in the waiver. Because waiver providers can affect the costs of services not directly included in the waiver, CMS is requiring that States include **all Medicaid Medical Assistance program expenditures related to the population and services covered by the waiver, not just those services under the waiver**, in developing their cost-effectiveness calculations. See the detailed instructions below for additional guidance.
9. CMS will evaluate cost-effectiveness based on all Medicaid expenditures for waiver enrollees impacted by the waiver, even those expenditures that are outside the capitation rate or do not require a PCCM referral. These services are generally referred to as “wrap-around” or “carved-out” services and may include such services as pharmacy or school-based services that may be paid on a fee-for-service (FFS) basis for the population covered by the waiver. See the detailed instructions below for additional guidance. Additional guidance is also available in the technical assistance guide for cost-effectiveness. Each State will need to work with CMS to determine whether or not services that are not explicitly under the waiver should be included in the cost-effectiveness calculations.
10. Because all affected Medicaid Medical Assistance program expenditures for waiver enrollees will be counted in cost-effectiveness calculations, there will essentially be no difference in the extent to which services are impacted by either a PCCM system or capitated program cost-effectiveness test. Initial waivers with both PCCM and capitated delivery systems may need to make some specific adjustments in PCCM system expenditures as noted in the **State Completion Section D.IV.H Special Note for Capitated and PCCM combined initial waivers**.
11. State administrative costs associated with the program and population enrolled in the waiver will also be reported. Administrative costs include, but are not limited to, State expenditures such as enrollment broker contracts, contract administration, enrollee information and outreach, State utilization review and quality assurance activities, State hotline and member services costs, the cost of an Independent Assessment, External Quality Review (EQR), actuary contracts, and administrative cost allocation (salaries).
12. All administrative and service costs should be calculated on a per member/per month basis. States are not held accountable for caseload changes between Medicaid Eligibility Groups nor for overall changes in the magnitude of caseload in the cost-effectiveness test. States should have total PMPM actual waiver expenditures for the two-year period equal to or less than the corresponding total PMPM projected waiver expenditures for that same period. For the purpose of on-going quarterly monitoring, the ROs will be using a two-fold test: one examining aggregate projected spending compared to the aggregate CMS-64 totals and the second examining PMPM spending compared to PMPM projections. *See the instructions for Appendix D6 for the explanation of the*

*two calculations and detailed instructions on how to calculate and monitor each test. **For the ultimate decision of cost-effectiveness (i.e. the decision to renew each waiver), the State will not be held accountable for caseload changes between Medicaid Eligibility Groups nor for overall changes in the magnitude of the State's caseload.***

13. Cost-effectiveness will be calculated on a total PMPM basis, which is comprised of both service and administration costs.
14. CMS will track and evaluate waiver cost effectiveness using expenditure data as reported on the CMS-64 and will be measured in total computable dollars (Federal and State share). All waiver expenditures will be reported on the CMS-64.9 Waiver, CMS-64.21U Waiver, or CMS-64.10 Waiver forms on a quarterly basis. (Data from the CMS-64.21U Waiver form will be used if the State enrolls its Medicaid-expansion SCHIP population in the waiver.)
15. All expenditures are based on the CMS-64 Waiver forms, which are based on date of payment, not date of service. States will itemize all expenditures for the population covered under the Waiver into each of the main service categories in the CMS-64 Waiver forms. These forms have been cleared by OMB (No. 0938-0067). The *Form CMS-64.9 Waiver* for Medical Assistance payments includes the major categories of service: inpatient hospital services, physician services, dental, clinic, MCO capitation, etc. Administrative expenditures will be reported on the CMS-64.10 Waiver form accordingly. *Note: please ensure that the State's projection for initial, conversion, and renewal waivers are projections for date of payment as well.*
16. States with multiple 1915(b), 1915(c), and 1115 waivers that have overlapping waiver populations will need to work with their CMS Regional Office to ensure that expenditures are only reported once on the *CMS-64 Summary*.
17. All actual expenditures reported and used as the basis for a cost effectiveness projection must be verified by the RO.
18. The expenditures and enrollment numbers for voluntary populations (i.e., populations that can choose between joining managed care and staying in FFS) should be excluded from the waiver cost-effectiveness calculations if these individuals are not included in State's 1915(b) waiver. In general, CMS believes that voluntary populations should not be included in 1915(b) waivers. If the State wants to include voluntary populations in the waiver, then the expenditures and enrollment numbers for that population must be included in the cost-effectiveness calculations. In addition, States that elect to include voluntary populations in their waiver are required to submit a written explanation of how selection bias will be addressed in the waiver cost-effectiveness calculations. *Note: This principle does not change the historic practice of requiring States to include the experience of a voluntary MCO population in a mandatory PCCM waiver if a beneficiary can be auto-assigned to one of the delivery systems.*
19. States with 1932 managed care SPA programs with an overlapping 1915(b) waiver will need to work with their CMS Regional Office to ensure that expenditures are only reported once on the CMS-64 Summary.

20. Incentive payments will be included in the cost effectiveness test. Incentives included in capitated rates are already constrained by the Medicaid managed care regulation at §438.6(c) to 105% of the capitated rates based on State Plan services. If there are any incentives in FFS/PCCM, those payments must be applied under the cost-effectiveness test. For example, if PCCM providers are given incentives for reducing utilization, the incentives are limited to the savings of State Plan service costs under the waiver. This policy creates a restraint on the FFS/PCCM incentive costs. States should ensure that all incentives are reported in renewal Actual Waiver Costs in **Appendix D3**.
21. 1915(b)(3) waiver services will be included in the cost effectiveness test. In general, States cannot spend more on 1915(b)(3) services than they would save on State Plan services.
22. Cost Effectiveness requirements apply to Medicaid Expansion SCHIP populations under 1905(U)(2) and (U)(3) under 1915(b) waivers. This requirement does not apply to separate stand alone SCHIP programs that are not Medicaid expansion programs or Medicaid Expansion populations not under 1915(b) waivers. Medicaid Expansion populations under 1905(U)(2) and (U)(3) should be included under 1915(b) waivers if the State is required to waive 1915(b)(1) or 1915(b)(4) in order to implement a particular programmatic aspect of their FFS or managed care program in the Medicaid delivery system.
23. Comprehensive Waiver Criteria - When a person or population in a waiver receives services meeting the following criteria, the waiver would be processed under the Comprehensive Waiver Test:
 - Additional waiver services are provided to waiver enrollees under 1915(b)(3) authority,
 - Enhanced payments or incentives are made to contractors or providers (e.g., quality incentives paid to MCOs/PIHPs/PAHPs or providers, etc), or
 - State Plan services were procured using sole source procurement (Sole source procurement means non-open, non-competitive procurement not meeting the requirements at 45 CFR 74.43). States must utilize the Comprehensive Cost Effectiveness Test to apply for and renew 1915(b) waivers that award services contracts using procurement methods meeting the criteria in 45 CFR 74.44 (e). Most competitive procurements resulting in a single contractor are not considered sole-source procurement under the 45 CFR 74.44(e) criteria. The State should verify the regulatory requirements and use the expedited test only if all expedited criteria are met.
24. Expedited Test – CMS is proposing a waiver-by-waiver test to expedite the processing of certain renewal waivers. States with waivers meeting requirements for the Expedited Test do not have to complete Actual Waiver Cost **Appendix D3** in the renewal and will not be subject to OMB review for that renewal waiver. States will simply submit *Schedule D* and the most recent 8 quarters of waiver forms from MBES to CMS along with projections for the upcoming waiver period (**Appendix D1, D2.S, D2.A, D4, D5, and D6**). For additional guidance, please see the Cost-effectiveness Technical Assistance Manual. To be able to use the Expedited Test for a particular waiver, a State would need to:
 - Submit a single 1915(b) waiver and cost-effectiveness analysis for all delivery systems with overlapping populations (overlapping populations are described further in the Technical

Assistance Manual). None of the overlapping populations could meet the Comprehensive Waiver Criteria (see below) OR

- Submit a 1915(b) waiver and cost-effectiveness analysis for each population. No population could receive any services under a 1915(b) waiver which meets the Comprehensive Waiver Criteria except for transportation and dental waivers as noted below.

25. Cost-effectiveness for waivers of only transportation services or dental pre-paid ambulatory health plans (PAHPs) are processed under the expedited test if the transportation or dental waiver alone meets the expedited criteria. In this instance, States should not consider an overlapping population with another waiver containing additional services, enhanced payments, or sole source procurement as a trigger for the comprehensive waiver test. If enrollees in a transportation or dental waiver are also enrolled in pre-paid inpatient health plans (PIHPs), MCOs, or PCCMs under separate waivers or separate SPA authority, the costs associated with dental or transportation services should not be included in any other 1915(b) waiver cost effectiveness test.

III. Instructions for Appendices

Step-by-Step Instructions for Calculating Cost-Effectiveness

Appendix D1 – Member Months

Document member months in the Base Year (BY)/ Retrospective Waiver Period (R1 and R2) and estimate projected member months in the upcoming period (P1 and P2) on a quarterly basis. Actual enrollment data for the retrospective waiver period must be obtained from the State's tracking system. Projected enrollment data for the upcoming period is needed for RO monitoring on a quarterly basis. States will not be held accountable for caseload changes. This data is also useful in assessing future enrollment changes in the waiver.

States must document the number of member months in the waiver for the retrospective waiver period (R1 and R2) for renewal waivers and in the base year (BY) for initial and conversion waivers

For initial or conversion waivers, document member months from the Base Year (BY). For renewal waivers, document member months from Retrospective Waiver Period (R1 and R2). Categorize all enrollees into Medicaid Eligibility Groups (MEG). A MEG is usually determined by eligibility group, geography, or other characteristics that would appropriately reflect the services that will be provided. Please note that States will use these same MEGs to report expenditures on the CMS 64.9 Waiver, CMS 64.10 Waiver, and/or CMS 64.21U Waiver.

CMS recommends that the State analyze their capitated program's rate cell categories to support the development of the Medicaid Eligibility Group (MEG) detail within the cost-effectiveness analysis. A MEG is a reporting group collapsing rate cell categories into groups that the State anticipates will have similar inflation and utilization trends, as well as by program structure (eligibility, geography, service delivery, etc). Every MEG created will mean a separate CMS 69.9 Waiver form, etc and results in additional quarterly expenditure reports to CMS. Selecting the right number of MEGs is a very important step. *See the MEG definition above for further guidance.* States should use the 64.9 and 64.21 waiver form population categories for any renewals. *For example, Nebraska chose to divide their single waiver into four MEGs. Nebraska has Medicaid Expansion SCHIP populations in their 1915(b) waiver, which automatically means that 2 MEGs are necessary (one for TXIX and one for MCHIP). In addition, Nebraska chose to separate costs for Special Needs children's populations and AI/AN populations from all other enrollees because of the structure of their program and differential caseload trends that they anticipate. During the waiver, Nebraska will report waiver costs on two separate 64.9 Waiver forms ((Medicaid (No CSHCN or AI/AN – PIHP only), and Medicaid (CSHCN or AI/AN– MCO/PIHP/PCCM) and two separate 64.21U Waiver forms (MCHIP (No CSHCN or AI/AN– PIHP only), MCHIP (CSHCN or AI/AN – MCO/PIHP/PCCM)). In Nebraska's renewal they would have a MEG for each of the four populations).*

Step 1. List the Medicaid Eligibility Groups (MEGs) for the waiver. List the base year eligible member months by MEG. Please list the MEGs for the population to be enrolled in the waiver program. The number and distribution of MEGs will vary by State. For renewals, if the State used different **MEGs** in R1 and R2 than in P1 and P2, please create separate tables for the two waiver periods (the state will be held accountable for caseload changes between MEGs in this instance). The base year for an initial waiver should be the same as the FFS data used to create the PMPM Actual Waiver Costs. Base year eligibility adjustments such as shifts in eligibility resulting in an increase or decrease in the number of

member months enrolled in the program should be noted in the Appendix and explained in the State Completion Section of the Preprint.

Step 2. Project by quarter, the number of member months by MEG for the population that will participate in the waiver program for the future waiver period (P1 and P2). The member months estimation should be based on the actual State eligibility data in the base year and the experience of the program in R1 and R2. List the quarterly member/eligible months projected in each MEG by quarter. States who are phasing in managed care programs or populations may choose to have quarterly estimates that are not equal (i.e., P1 Q1 reflects a different enrollment than P1 Q4).

Step 3. Total the member/eligible months for each quarter and year. Calculate the annual and quarterly rate of increase/decrease in member months over the projected period. Explain the rate of increase/decrease in the State Completion section.

Appendix D2.S - Services in Waiver Cost

Document the services included in the waiver cost-effectiveness analysis.

Step 1. List each State Plan service and 1915(b)(3) service under the waiver and indicate whether or not the service is:

- State Plan approved;
- A 1915(b)(3) service;
- A service that is included in a capitation rate; paid to either MCOs, PIHPs, or PAHPs, (whichever is applicable);
- A service that is not a waiver service but is impacted by the MCOs, PIHPs, or PAHPs (whichever is applicable);
- a service that is included in the PCCM FFS reimbursement.

The chart in **Appendix D2.S** should be modified to reflect each State's actual waiver program. States should indicate which services are provided under each MEG, if the benefit package varies by MEG. Modify columns as applicable to the waiver entity type and structure to note services in different MEGs.

Step 2. Please note any proposed changes in services on Appendix D2.S with a *. *See the Nebraska example for illustration purposes.*

Step 3. List the State Plan Services included in the Actual Waiver costs (only State Plan Service costs may be included in an initial waiver's Actual Waiver Costs). Please also list the 1915(b)(3) non-State Plan services proposed in the initial waiver and any 1915(b)(3) services included in the Actual Waiver costs for a conversion or renewal waiver. For an MCO/PIHP/PAHP waiver, include services under the capitated rates, as well as services provided to managed care enrollees on a fee-for-service wraparound basis (note each). For a PCCM program, include services requiring a referral, as well as services provided to waiver enrollees on a wraparound basis. Please add lines and specify as needed. This chart should be identical to the chart in **Section A.III.d.1** in the PCCM preprint and **Section A.IV.d.1** in the capitated preprint.

(Column B Explanation) Services: The list of services below is provided as *an example only*. States should modify the list to include:

- all services available in the State's State Plan, regardless of whether they will be included or excluded under the waiver
- subset(s) of state plan amendment services which will be carved out, if applicable; for example, list mental health separately if it will be carved out of physician and hospital services
- services not covered by the state plan (note: only add these to the list if this is a 1915(b)(3) waiver, which uses cost savings to provide additional services)

(Column C Explanation) State Plan Approved: Check this column if this is a Medicaid State Plan approved service. This information is needed because only Medicaid State Plan approved services can be included in cost effectiveness. For 1915(b)(3) waivers it will also distinguish existing Medicaid versus new services available under the waiver.

(Column D Explanation) 1915(b)(3) waiver services: If a covered service is not a Medicaid State Plan approved service, check this column. Marking this column will distinguish new services available under the waiver versus existing Medicaid service.

(Column E Explanation) MCO Capitated Reimbursement: Check this column if this service will be included in the capitation or other reimbursement to the MCO. If a 1915(b)(3) service in an MCO is capitated, please mark this column.

(Column F Explanation) Fee-for-Service Reimbursement impacted by MCO: Check this column if the service is not the responsibility of the MCO, but the MCO or its contracted providers can affect the utilization, referral or spending for that service. *For example, if the MCO is responsible for physician services but the State pays for pharmacy on a FFS basis, the MCO will impact pharmacy use because access to drugs requires a physician prescription.* Do not mark services NOT impacted by the MCO and not included in the cost-effectiveness analysis. *For example, a State would not include Optometrist screening exams in states where vision services are not capitated, a PCP referral is not required for payment, and PCP do not refer or affect patient access to vision screening examinations.*

(Column G Explanation) PCCM Fee-for-Service Reimbursement: Check this column if this service will be included in the waiver and will require a referral/prior authorization or if the service is not covered under the waiver and does not require a referral/prior authorization, but is impacted by it. For example, a goal of most primary care case management programs is that emergency services would be reduced. For example, if the State pays for pharmacy on a FFS basis, but does not require a referral from the primary care case manager to process those claims, the primary care case manager will still impact pharmacy use because access to drugs requires a physician prescription. Do not include services NOT impacted by the waiver. *Please see the **Inclusion of Services in Cost-Effectiveness Test** chart below for guidance.*

(Column H Explanation) PIHP Capitated Reimbursement: Check this column if this service will be included in the capitation or other reimbursement to the PIHP. If a 1915(b)(3) service is capitated in a PIHP, please mark this column.

(Column I Explanation) Fee-for-Service Reimbursement impacted by PIHP: Check this column if the service is not the responsibility of the PIHP, but is impacted by it. For example, if the PIHP is responsible for physician services but the State pays for pharmacy on a FFS basis, the PIHP will impact pharmacy use because access to drugs requires a physician prescription. Do not include services NOT

impacted by the PIHP. *Please see the **Inclusion of Services in Cost-Effectiveness Test** chart below for guidance.*

(Column J Explanation) PAHP Capitated Reimbursement: Check this column if this service will be included in the capitation or other reimbursement to the PAHP. If a 1915(b)(3) service is capitated in a PAHP, please mark this column. *Note: the Nebraska example did not include a PAHP and so did not include this column.*

(Column K Explanation) Fee-for-Service Reimbursement impacted by PAHP: Check this column if the service is not the responsibility of the PAHP, but is impacted by it. For example, if the PAHP is responsible for physician services but the State pays for pharmacy on a FFS basis, the PAHP will impact pharmacy use because access to drugs requires a physician prescription. Do not include services NOT impacted by the PAHP. *Please see the **Inclusion of Services in Cost-Effectiveness Test** chart below for guidance. Note: the Nebraska example does not include a PAHP delivery system and so did not include this column.*

Note: Columns C and D are mutually exclusive. Columns E and F are mutually exclusive for the MCO program. Columns H and I are mutually exclusive for the PIHP program. Columns J and K are mutually exclusive for the PAHP program. Each service should have a mark in columns C or D. If the State has more than one MEG, Appendix D2 should reflect what services are included in each MEG.

Chart: Inclusion of Services in Cost-Effectiveness Test

Note: All references to the single CMS 64.9 Waiver form refer to a 1915(b) waiver that does not include any SCHIP Medicaid expansion populations. If a 1915(b) includes an SCHIP Medicaid expansion population, the State would also complete a CMS 64.21U Waiver form for the applicable SCHIP Medicaid expansion population. In addition, the State can always choose to divide its data into **MEGs** for additional reporting categories. Services included in other 1915(b) waivers should be excluded and not counted under two separate 1915(b) cost-effectiveness tests. Services in 1915(c) waivers should only be included for concurrent 1915(b)/1915(c) waivers. Services for 1115 Demonstration waivers should only be included if the 1915(b) population is being used as an impacted population in the 1115 Demonstration. *See the Technical Assistance Manual for additional information.*

Example	Type of Delivery System	Services Under 1915(b) waiver	Services included in Cost Effectiveness Test	Services excluded from Cost Effectiveness Test
Medicaid beneficiary is enrolled only in 1915(b) for transportation	PAHP	Transportation only	Transportation	All other Medicaid services
Medicaid beneficiary is enrolled only in 1915(b) for dental	PAHP	Dental only	Dental	All other Medicaid services

Example	Type of Delivery System	Services Under 1915(b) waiver	Services included in Cost Effectiveness Test	Services excluded from Cost Effectiveness Test
Medicaid beneficiary is enrolled only in 1915(b) for mental health – remaining services are FFS or under 1932 SPA (<i>examples: rural Nebraska and Iowa</i>)	PIHP	Mental Health and Substance Abuse are under waiver. Pharmacy, rehabilitation services, and inpatient psychiatric services for individuals under age 21 are fee-for-service.	All Mental Health, Substance Abuse, Pharmacy, Inpatient psychiatric services for individuals under age 21, and Rehabilitation services for waiver enrollees are reported on single <i>CMS-64.9 Waiver form</i> for the 1915(b) waiver.	All other Medicaid services
Medicaid beneficiary is enrolled in one 1915(b) waiver for mental health and MCO services (<i>examples: urban Nebraska special needs children</i>)	PIHP and MCO	All services	All services for waiver enrollees are reported on a single <i>CMS-64.9 Waiver form</i>	None.
Medicaid beneficiary is enrolled in 1915(b) for mental health and separate 1915(b) for MCO	PIHP and MCO	All services except pharmacy are in one waiver or the other	The State divides all services for waiver enrollees into two <i>CMS-64.9 Waiver forms</i> : one for the mental health 1915(b) and the other for the MCO 1915(b).	None.
Medicaid beneficiary is enrolled in a single 1915(b) for mental health and PCCM (<i>examples: urban Nebraska special needs children</i>)	PIHP and PCCM	All services except school-based services	All services including school-based services for waiver enrollees are reported on a <i>CMS-64.9 Waiver form</i>	None.
Medicaid beneficiary is enrolled in 1915(b)	PCCM	All services	All services for waiver enrollees are reported on a single	None.

Example	Type of Delivery System	Services Under 1915(b) waiver	Services included in Cost Effectiveness Test	Services excluded from Cost Effectiveness Test
PCCM			<i>CMS-64.9 Waiver form</i>	

Appendix D2.A Administrative Costs in the Waiver

Document the administrative costs included in the Actual Waiver Cost.

Step 1. Using *CMS-64.10 Waiver Form* line items numbers and titles, document the State's administrative costs in the waiver. **Do not include MCO/PIHP/PAHP/PCCM entity administration costs.** For initial waivers, this will include only fee-for-service costs such as MMIS and SURS costs. For renewal waivers and conversion waivers, the administrative costs will include managed care costs such as enrollment brokers, External Quality Review Organizations, and Independent Assessments. Add lines as necessary to distinguish between multiple contracts on a single line in the CMS-64.10. *Note: PCCM case management fees are not considered State Administrative costs because CMS matches those payments at the FMAP rate and states claim those costs on the CMS-64.9 Waiver form. Services claimed at the FMAP rate should be reported on Appendix D2.S and not reported on Appendix D2.A.*

Step 2. The State should allocate administrative costs between the Fee-for-service and managed care program depending upon the program structure. For example, for an MCO program, the State might allocate the administrative costs in the Administrative Cost Allocation Plan to the MCO program based upon the number of MCO enrollees as a percentage of total Medicaid enrollees. For a mental health carve out enrolling most Medicaid beneficiaries in the State, allocate costs based upon the mental health program cost as a percentage of the total Medicaid budget. It would not be appropriate to allocate the administrative cost of a mental health program based upon the percentage of enrollees enrolled. Explain the cost allocation process in the preprint.

Appendix D3 – Actual Waiver Cost

Document Base Year and Retrospective Waiver Period expenditures (actual expenditures in the BY for initial/conversion waivers and R1 and R2 in renewal waivers). States that are eligible to use the expedited process for certain waivers need not complete Appendix D3; instead, attach the most recent waiver Schedule D. For all other submissions, States should complete **Appendix D3**.

The State must document the total expenditures for the services impacted by the waiver as noted in **Appendix D2**, not just for the services under the waiver. For an Initial Waiver or Conversion Waiver, the State must document the expenditures used in the BY PMPM. **All expenditures in the BY will be verified by the RO.** For a Renewal Waiver, the State must document the actual expenditures in the retrospective two-year period (R1 and R2) separating administration, 1915(b)(3), FFS incentives, capitated, and fee-for-service State Plan expenditures as noted. **Actual expenditures will be verified by the RO on a quarterly basis by comparing projections to actual expenditures and other routine audit functions.**

The actual expenditures used in the cost-effectiveness calculations should include all Medicaid program expenditures related to the population covered by the waiver, not just those services directly included in the waiver. If the State has multiple waivers with overlapping populations, the State should work with the CMS Regional Office to determine which expenditures should be allocated to which waiver in order to ensure that expenditures are only reported once on the CMS-64. Incentives to capitated entities are reflected in **Column D of Appendix D3** of the spreadsheets. Fee-for-service incentives, such as incentives to PCCM providers, are noted separately in **Column G of Appendix D3**. 1915(b)(3) services in the initial waiver will always be zero in **Column H of Appendix D3** of the initial waiver because 1915(b)(3) services are a result of savings under the waiver and cannot exist prior to the waiver.

Actual expenditures are based on the CMS-64 Waiver forms, which are based on date of payment not date of service.

States must separately document actual Medical Assistance service expenditures and actual State administrative costs related to those services. Actual case management fees paid to providers in a PCCM program should be included as service expenditures.

Since a State may be in the process of developing a Renewal Waiver during the second year of the waiver (R2) period (to avoid an extension), the State should project the remaining period of time for which actual expenditures are not yet available for R2 (approximately 6 months). If the State projects any portion of R2, please document those projections and the assumptions made.

Should a State request and be granted one or more 90-day temporary extension(s) for submitting a Renewal Waiver, the following process applies depending on the length of the extension:

- For three or fewer 90-day temporary extensions (a period of less than one year after the expiration of the waiver), the State must demonstrate cost-effectiveness over the original two-year period included in the waiver. In other words, if a waiver considered years CY 2003 and CY 2004 as P1 and P2, respectively, and 2 three-month temporary extensions were obtained, the State would still be required to demonstrate cost-effectiveness for calendar year 2003 and 2004 by comparing actual expenditures (R1 and R2) to the projected expenditures (P1 and P2) for these two years in aggregate. In this scenario, actual expenditures for the entire R2 period may be available to support the Renewal Waiver calculations.
- For four or more temporary extensions (a period of one year or more after the expiration of the waiver), the State must demonstrate cost-effectiveness for the original two-year period included in the waiver as previously described and in addition demonstrate cost-effectiveness for the one-year extension period (to the extent data is available – in this case CY2005). In this scenario, actual expenditures for the entire R2 period will be available to support the Renewal Waiver calculations, but the extension year may require projecting actual expenditures. The State's extension year will be compared to the expenditure projections as if P2 were 24 months rather than 12 months.

Number of Extensions	Demonstration of Cost-Effectiveness	Example
3 or fewer 90-day temporary extensions	Demonstrate cost-effectiveness for the original two-year period	Waiver CY2003 and CY2004 2 Extensions through 7/1/2005

		State CE covers only CY2003 and CY2004
4 or more temporary 90-day extensions	Demonstrate cost-effectiveness for the original two-year period and for each additional one-year extension period	Waiver CY2003 and CY2004 4 Extensions through CY2005 State CE covers CY2003, CY2004, and CY2005

Fee-for-service Institutional UPL Expenditures to include and not include in the cost-effectiveness analyses.

- **Transition amounts should be excluded** from the Cost-Effectiveness test. A transition amount is what the State spent over 100% of the institutional fee-for-service UPL (i.e., the "excess"). The State should isolate the excess amounts to remain in fee-for-service outside of the waiver and include only the amount under 100% of the FFS UPL in the Cost-effectiveness analysis.
- **Supplemental payments at or below 100% of the UPL should be included** in the cost-effectiveness analysis. States that are not transition States may in fact make supplemental payments below or up to the 100% UPL and that money should be included in the cost-effectiveness. The entire amount of the supplemental payment at or below the UPL should be in the 1915(b) analysis.

States should contact their RO for additional State-specific guidance on the inclusion and exclusion of Fee-for-service Institutional UPL payments.

Step 1. List the MEGs for the waiver. These MEGs must be identical to the MEGs used in **Appendix D1 Member Months**. The renewal will list the MEGS twice – once for R1 and once for R2. *See the example spreadsheets.*

Step 2. List the BY eligible member months (R1 and R2 member months, if a renewal). *See the example spreadsheets.*

Step 3. List the base year (R1 and R2 if a renewal) aggregate costs by MEG. Actual cost and eligibility data are required for BY (R1 and R2) PMPM computations. Aggregate Capitated Costs are in Column D. Aggregate FFS costs are in Column E. Add D+E to obtain the State Plan total aggregate costs in Column F. List FFS incentives in Column G. In a renewal or conversion waiver, list 1915(b)(3) aggregate costs in Column H. List Administrative costs in Column I. For an initial waiver, these PMPM costs are derived from the State's MMIS database or as noted from the explanation in the State Completion section under **Section D.IV.H.d**. Comprehensive Renewal waivers will calculate the PMPM service amount by MEG from the most recent Schedule D and with additional ad hoc reporting for 1915(b)(3) services and FFS incentive payments. The State must track FFS incentive and 1915(b)(3) payments separately (those costs will not be separately identified on Schedule D). The State must document that State Plan service aggregate costs amounts were reduced by the amount of FFS incentives and 1915(b)(3) costs spent by the State. To calculate the PMPM by MEG for 1915(b)(3) services, the State should divide the cost of 1915(b)(3) service costs by MEG for R2 and divide by the R2 member months for each MEG. To calculate the PMPM by MEG for FFS incentives, the State should divide the cost of FFS incentives for R2 and divide by the R2 member months for each MEG. To calculate the

PMPM by MEG for State Plan Services, the State should divide the cost of State Plan Services from Schedule D (minus FFS incentives and 1915(b)(3) service costs) for R2 and divide by the R2 member months for each MEG. The State should calculate the PMPM administration amount by dividing the administration cost from Schedule D by the R2 member months. The State must submit the Schedule D used to calculate the PMPM amounts. *Note: the Total Cost per Waiver Year for R1 for renewals should match the Schedule D submitted. A portion of R2 may be projected in order to timely submit the waiver renewal application. The portion of R2 that is actual should match the Schedule D submitted.*

Step 4. Total the base year capitated costs and fee-for-service costs to derive the total base year costs for services. Add all costs (F, G, H, and I) to obtain total waiver aggregate costs.

Step 5. Divide the base year (BY) costs by the annual BY (divide the R1 costs by the R1 MM or the R2 costs by the R2 MM, if a renewal) member months (MM) to get PMPM base year (R1 or R2) costs. In this instance, the State calculates the overall PMPM for BY (the overall PMPM for R1 or the overall PMPM for R2 in a renewal). The State will divide the costs of the program by the caseload for the same year from which the State calculated the cost data. This calculation allows CMS to determine the PMPM costs with the changes in the program's caseload at the new distribution level between MEGs for each year of the waiver (R1 and R2). In short, this calculation allows CMS to look at per person expenditures accounting for actual changes in the demographics of the waiver.

Initial/Conversion	Renewal R1	Renewal R2
<u>BY Costs</u> BY MM	<u>R1 Costs</u> R1 MM	<u>R2 Costs</u> R2 MM
Overall PMPM for BY	Overall PMPM for R1	Overall PMPM for R2

Appendix D4 – Adjustments in the Projection

Document adjustments made to the BY or R1 and R2 to calculate the P1 and P2. The State will mark the adjustments made and document where in Appendix D5 the adjustment can be found. All adjustments are then explained in the State Completion portion of the Preprint.

Waiver Cost Projection Adjustments: On **Appendix D4**, check all adjustments that the State applied to the R1/R2 or BY data. In Column D, note the location of each adjustment in **Appendix D5**. Note: only the adjustments listed may be made. If the State has made another adjustment, the State should obtain CMS approval prior to its use. Complete the attached preprint explanation pages and include attachments as requested. ***Note:** (Initial Waiver only) Adjustments Unique to the Combined Capitated and PCCM Cost-effectiveness Calculations -- some adjustments to the Waiver Cost Projection in an initial waiver must be made due to a policy decision in the capitated program. Those adjustments are permitted only to the capitated programs and need an offsetting adjustment to the PCCM Waiver Cost Projections in order to make the PCCM costs comparable to the Actual Waiver Costs. Please see the State Completion Section of the initial waiver for further instructions if the State has a combined capitated and PCCM cost-effectiveness analysis.*

Appendix D5 – Waiver Cost Projection

Each time a waiver is renewed, a State must develop a two-year projection of expenditures. States must calculate projected waiver expenditures (P1 and P2) for the upcoming period. Projected waiver

expenditures for P1 and P2 should be created using the State's actual historical expenditures (e.g., BY data for an Initial or Conversion Waiver, or R2 data using R1 & R2 experience to develop trends for a Renewal Waiver) for the population covered under the waiver and adjusted for changes in trend (including utilization and cost increases) and other adjustments acceptable to CMS. For example, in an Initial or Conversion Waiver, a State should use its actual BY data to project its P1 and P2 expenditures. In a Renewal Waiver, a State should use its actual experience in R1 and R2 to project trends for its P1 and P2 expenditures from the endpoint of the previous waiver of R2. As a result, in each subsequent Renewal Waiver, the State will use an updated set of base data from R1 and R2 (to "rebase") for use in projecting the Renewal Waiver's P1 and P2.

Projected waiver expenditures must include all Medicaid expenditures for the population included in the waiver, not just those services directly included in the waiver, calculated on a PMPM basis and including administrative expenses. (For example, a State must include services that are outside of the capitated or PCCM program.) If the State has multiple waivers with overlapping populations, the State should work with the CMS Regional Office to determine which expenditures should be allocated to which waiver in order to ensure that expenditures are only reported once on the CMS-64.

In projecting expenditures for the population covered by the waiver, States must use trends that are reflective of the regulation requirements for capitated rates and fee-for-service history for fee-for-service rates. The State must document and explain the creation of its trends in the State Completion Section of the Preprint. CMS recommends that a State use at least three years of Medicaid historical data to develop trends. States must use the State historical trends for the time periods where actual State experience is available. States must use the prescribed methods (see the State Completion Section) for inflating FFS incentives (no greater than the State Plan trend rate), 1915(b)(3) services (the lower of State Plan service and actual 1915(b)(3) trend rates), and administration (historic Medicaid administration trend rates unless the State is using sole source procurement to procure State Plan services)

States need to make adjustments to the historical data (BY for initial/conversion and R2 for renewals) used in projecting the future P1 and P2 PMPMs to reflect prospective periods. For Renewals, these adjustments represent the impact on the cost of the State's Medicaid program from such things as: State Plan service trend, State Plan programmatic/policy/pricing changes, administrative cost adjustments, 1915(b)(3) service trends, incentives (not in the capitated payment) adjustments, and other. Since States are required to consider the effect of all Medicaid costs for the waiver population, States should consider adjustments that might impact costs for services not directly covered under the waiver (i.e., global changes to the Medicaid program).

1915(b)(3) services must be paid out of savings in the future years (P1 and P2) of the waiver. Under 1915(b)(3) authority, states can offer additional benefits using savings from providing State Plan services more efficiently. The following principles and requirements will be used to evaluate the cost-effectiveness of waiver requests that include 1915(b)(3) services. The principles are intended to highlight concepts and policy goals (i.e., **what** the policy guidance is intended to accomplish). The requirements are intended to outline operational details (i.e., **how** the policy goals will be pursued).

1) Aggregate spending

- *General principle*—Under a 1915(b) waiver, combined spending on State Plan and 1915(b)(3) services cannot exceed what would have occurred without the waiver. In other

words, States cannot spend more on 1915(b)(3) services than they save on State Plan services under the waiver.

- *Requirement*—Combined spending on State Plan and 1915(b)(3) services cannot exceed projected spending during any given waiver period.

2) **Base-year spending (R2 for renewals) (for waiver projections)**

- *General principle one*—Spending for 1915(b)(3) services should not exceed the cost of providing these services.
- *General principle two*—Spending for 1915(b)(3) services should not exceed the “budget” for these services, as determined in a state’s waiver application.
- *Requirement (for initial waiver applications)*—The base year amount for 1915(b)(3) services under a new waiver application is limited to the lower of:
 - a. Expected costs for the 1915(b)(3) services or
 - b. Projected savings on State Plan services
- *Requirement (for Renewals and Conversion Renewals)*—The base year (R2 for renewals) amount for projecting spending on 1915(b)(3) services under a waiver renewal is limited to the lower of:
 - a. Actual costs for 1915(b)(3) services under the current waiver or
 - b. Projected costs for 1915(b)(3) services under the current waiver (P2 in the previous submittal)

3) **Growth in spending (price increases and use of services, but not changes in enrollment)**

- *General principle one*—Growth in spending on 1915(b)(3) services cannot exceed growth in spending for State Plan services under the waiver. (This ensures that savings on State Plan services for both initial waiver and renewal periods finance spending for 1915(b)(3) services.)
- *General principle two*—Growth in spending on 1915(b)(3) services cannot exceed historical growth in spending for these services. (This ensures that growth in spending on waiver services is reasonable for the particular services.)
- *Requirement*—Growth in spending for 1915(b)(3) services is limited to the lower of:
 - a. The overall rate of trend for State Plan services, or
 - b. State historical trend for 1915(b)(3) services

4) **Covered services**

- *General principle*—If a state wants to expand 1915(b)(3) services, the State must realize additional savings on State Plan services to pay for the new services.
- *Requirement*—Before increasing its budget for 1915(b)(3) waiver services, a state must submit an application to CMS to modify its waiver (or document the modification in its renewal submittal). This application must show both:
 - a. How additional savings on State Plan services will be realized, and
 - b. That the savings will be sufficient to finance expanded services under the waiver
- *Special case*—A state also could be required to cut back (b)(3) services because of increased use of State Plan services.

5) **Payments**

- *Requirement*—As a condition of the waiver, capitated 1915(b)(3) payments must be calculated in an actuarially sound manner.

States must calculate a separate capitation payment for 1915(b)(3) services using actuarial principles and the same guiding principles as the regulation at 42 CFR 438.6(c) -with the exceptions that the 1915(b)(3) rates are based solely on 1915(b)(3) services approved by CMS in the waiver and the administration of those services. The actual payment of the 1915(b)(3) capitated payment can be simultaneous with the payment of the State Plan capitated payment and appear as a single capitation payment. However, the State must be able to track and account for 1915(b)(3) expenditures separately from State Plan services.

1915(b)(3) services versus 42 CFR 438.6(e) services. Under a 1915(b) waiver, 1915(b)(3) services are services mandated by the State and paid for out of State waiver savings. 42 CFR 438.6(e) services are services provided voluntarily by a capitated entity out of its capitated savings. A State cannot mandate the provision of 42 CFR 438.6(e) services. In order to provide a service to its Medicaid beneficiaries, the State must have authority under its State Plan or through a waiver such as the 1915(b)(3) waiver. 1915(c) and 1115 Demonstration waivers also have authority for the provision of services outside of the Medicaid State Plan. CMS will match managed care expenditures for services under the State Plan or approved through an approved waiver. The State cannot mandate the provision of services outside of its State Plan or a waiver.

Initial waivers must estimate the amount of savings from fee-for-service that will be expended upon 1915(b)(3) services in the initial waiver. The State must document that the savings in state plan services, such as reductions of utilization in hospital and physician services, are enough to pay for the projected 1915(b)(3) services. If the State contends that there is additional state plan savings generated from the (b)(3) services those can only be documented after the State has documented that state plan-generated savings are enough to pay for the 1915(b)(3) Costs. Trend for 1915(b)(3) services in the initial waiver can be no greater than State Plan service trend (because there is no historic 1915(b)(3) service trend rate) as noted in the adjustments section.

The State must separately document Medical Assistance service expenditures and State administrative costs related to those services. Case management fees paid to providers in a PCCM program should be included as Medical Assistance service expenditures.

A State may make changes to their Medicaid and/or Medicaid waiver programs (e.g., changes to covered services or eligibility groups) during the period of time covered by an existing waiver. When the State makes these changes and there is a cost impact, CMS will require States to submit amendments which will modify P1 and P2 of the existing waiver calculations. By amending the existing P1 and P2 the State will ensure that when the State does its subsequent Renewal Waiver the R1 and R2 actual expenditures do not exceed the previous waiver's P1 and P2 expenditures solely as a result of the change to the Medicaid and/or Medicaid waiver program.

Step 1. List the MEGs for the waiver. These MEGs must be identical to the MEGs used in **Appendix D1 Member Months**.

Step 2. List the BY eligible member months (R2 if a renewal). *See the example spreadsheets.*

Step 3. List the weighted average PMPM calculated in Appendix D3 for Initial, Conversion or Comprehensive Renewal waivers.

Expedited Renewal waivers will calculate the PMPM service amount by MEG from the most recent Schedule D. To calculate the PMPM by MEG, the State should divide the cost from Schedule D for R2 and by the R2 member months for each MEG. The State should calculate the PMPM administration amount by dividing the administration cost from Schedule D by the R2 member months. The State must submit the Schedule D used to calculate the PMPM amounts.

Step 4. In **Appendix D5**, list the program adjustments percentages and the monetary size of the adjustment by MEG as applicable for State Plan services. The State may then combine all adjustment factors which affect a given MEG, and apply the adjustments accordingly. The derivation of a combined adjustment factor must be explained and documented.

Note adjustments in different formats as necessary. *See the Nebraska example spreadsheet as an example only. Some adjustments may be additive and others may be multiplicative. Please use the appropriate formula for the State's method.*

Step 5. Compute the PMPM projection by MEG by adding the service, incentive, administration, and 1915(b)(3) costs and the effect of all adjustments. These amounts need to be reflected in the State's next waiver renewal. These amounts represent the final PMPM amounts that will be applied to actual enrollment in measuring cost effectiveness. States will not be held accountable for caseload changes among MEGs when submitting their next waiver renewal cost-effectiveness calculations. In the subsequent renewal, the State should have PMPM Actual Waiver costs for each MEG for the 2-year period equal to or less than these Projected PMPM Waiver Costs for each MEG.

Appendix D6 – RO Targets

For the purpose of on-going quarterly monitoring in the future period, the State must document total cost and PMPM cost projections for RO use. The ROs will be using a two-fold test: one that monitors for overall growth in waiver costs on the CMS-64 forms and another that monitors for PMPM waiver cost-effectiveness. The State projections for RO use in both tests are in Appendix D6.

The first test projects quarterly aggregate expenditures by MEG for RO use in monitoring CMS 64.9 Waiver, CMS 64.21U Waiver, and CMS 64.10 Waiver expenditures during the upcoming waiver period. On a quarterly basis, CMS will compare aggregate expenditures reported by the State on CMS-64 Waiver forms to the State's projected expenditures (P1 and P2) included in the State's cost-effectiveness calculations as a part of the quarterly CMS-64 certification process. As part of the waiver submission, the State must calculate and document the projected quarterly aggregate Medical Assistance services and State administrative expenditures for the upcoming period. This projection is for the population covered under the waiver and will assist RO financial staff in monitoring the total waiver spending on an on-going basis.

The second test projects quarterly PMPM expenditures by MEG for RO use in monitoring waiver cost-effectiveness in the future waiver period. Because states are required to demonstrate cost-effectiveness in the historical two-year period of each Renewal Waiver, CMS intends to monitor State expenditures on an ongoing basis using the State's CMS-64 Waiver submissions. CMS will determine if the State's quarterly

CMS-64 Waiver submissions support the State's ability to demonstrate cost-effectiveness when the State performs its Renewal Waiver calculations. For the second test, States are not held accountable for caseload increases. If it appears that the State's CMS-64 Waiver PMPM expenditures adjusted for actual Casemix exceeds the State's projected expenditures, CMS will work with the State to determine the reasons and to take potential corrective actions. As part of the waiver submission, the State must calculate a services only PMPM for each MEG (by subtracting out administrative costs by MEG) for each waiver year. The State must submit member month data corresponding to the quarterly submission of the CMS-64 on an on-going basis. The State should ensure that the member month data submitted on an on-going basis is comparable to the member month data used to prepare the P1 and P2 member month projections. The RO will compare the applicable projected PMPM for services and administration to the actual PMPM for each waiver quarter.

Step 1. List the MEGs for the waiver. These MEGs must be identical to the MEGs used in **Appendix D1 Member Months**.

Step 2. List the P1 and P2 projected member months by quarter for the future period.

Step 3. List the P1 and P2 MEG PMPM cost projections from **Appendix D5**. As part of the waiver submission, the State must calculate a services only PMPM for each MEG (by subtracting out administrative costs by MEG) for each waiver year. The State will calculate the weighted average PMPM with Casemix for P1 and P2 (respectively).

Renewal P1	Renewal P2
$\frac{\text{P1 PMPM Costs} \times \text{P1 MM}}{\text{P1 MM}}$	$\frac{\text{P2 PMPM Costs} \times \text{P2 MM}}{\text{P2 MM}}$
Casemix for P1	Casemix for P2

The State is calculating the PMPM with Casemix for P1 and P2 so that the Region can compare the projected PMPMs to the actual PMPMs for administration (the State is calculating all of the PMPMs but only the administration PMPM will be used in Appendix D6). Administration is an area of risk for States in a 1915(b) waiver. If a State does not enroll enough persons into the program to offset high fixed administration costs, the State is at risk for not being cost-effective over the two year period. The Region will use this particular weighted PMPM to monitor State enrollment levels to ensure that high administrative costs are more than offset on an on-going basis.

Step 4. Multiply the quarterly member month projections by the P1 and P2 PMPM projections to obtain quarterly waiver aggregate targets for the waiver. *See the example spreadsheets.*

For the first aggregate spending test, the State will use the MEG PMPM from Appendix D5 multiplied by the projected member months to obtain the aggregate spending. The MEG PMPM from Appendix D5 is the number that States will be held accountable to in their waiver renewal. However, States will not be held accountable to the projected member months in their waiver renewal. For this reason, a second test modifying the demographics to reflect actual caseload is necessary.

		Total PMPM	Q1 Quarterly Projected Costs		
Medicaid Eligibility Group	Total PMPM Administration	Projected Service	Member Months Projections	64.9W /64.21U W Service Costs	64.10 Waiver Administration

(MEG)	Cost Projection	Costs		include incentives	Costs
MCHIP - MCO/PCCM/PIHP (3 co.)	\$ 10.00	\$ 192.90	81	\$ 15,624.75	\$ 810.39
MCHIP - PIHP statewide	\$ 0.86	\$ 21.20	28,821	\$ 611,004.39	\$ 24,866.56
Title XIX MCO/PCCM/PIHP (3 co)	\$ 47.33	\$ 954.89	15,981	\$ 15,260,090.40	\$ 756,396.07
Title XIX - PIHP statewide	\$ 2.37	\$ 48.20	444,217	\$ 21,409,496.79	\$ 1,051,238.55
Total			489,100	\$ 37,296,216.33	\$ 1,833,311.56
Weighted Average PMPM Casemix for P1 (P1 MMs)	\$ 3.77				

Step 5. Create a separate page that documents by quarter Form 64.9 Waiver, Form 64.21U Waiver, and Form 64.10 Waiver costs separately for ease of RO CMS-64 monitoring. *See the example spreadsheets.*

Example:

Projected Year 1 - July 1, 2002 - June 30, 2003

Waiver Form	Medicaid Eligibility Group (MEG)	Q1 Quarterly Projected Costs Start 7/1/2002
64.21U Waiver Form	MCHIP - MCO/PCCM/PIHP (3 co)	\$ 15,624.75
64.21U Waiver Form	MCHIP - PIHP statewide	\$ 611,004.39
64.9 Waiver Form	Title XIX - MCO/PCCM/PIHP (3 co)	\$ 15,260,090.40
64.9 Waiver Form	Title XIX - PIHP statewide	\$ 21,409,496.79
64.10 Waiver Form	All MEGS	\$ 1,833,311.56

Step 6. Create a separate page that documents by quarter PMPM MEG costs separately for each of RO monitoring. Please include space for RO staff to list actual member months and aggregate totals by quarter. Please include formulas for RO staff to calculate actual PMPMs by quarter for comparison to projections. *See the example spreadsheets.*

For the second test, the State will carry forward the P1 (and P2 respectively) MEG PMPM services costs and the weighted average PMPM administration costs Casemix for P1 (and P2 respectively).

Divide the actual aggregate costs by the actual aggregate member months (MM) to get PMPM actual costs. The State will divide the costs of the program by the caseload for the same quarter from which the State calculated the cost data. This calculation allows CMS to determine the PMPM costs with the changes in the program's caseload at the new distribution level between MEGs for each quarter of the waiver. In short, this calculation allows CMS to look at per person expenditures accounting for actual changes in the demographics of the waiver.

On-going Actual P1 Q1	On-going Actual P2 Q5
<u>P1 Q1 Actual Costs</u>	<u>P2 Q5 Actual Costs</u>
P1 Q1 Actual MM	P2 Q5 Actual MM
Casemix for P1 Q1 actual	Casemix for P2 Q5 actual

On an on-going basis, the State will submit quarterly actual member month enrollment statistics by MEG in conjunction with the State's submitted CMS-64 forms. The RO analyst will enter the member month and CMS-64 form totals into the worksheet, which will calculate the actual MEG PMPM costs. The RO will compare the applicable projected PMPM for services and administration to the actual PMPM for each waiver quarter. If it appears that the State's CMS-64 Waiver PMPM expenditures adjusted for actual Casemix exceeds the State's projected PMPM expenditures, CMS will work with the State to determine the reasons and to take potential corrective actions.

Example

Waiver Form	Medicaid Eligibility Group (MEG)	State Completion Section - For Waiver Submission	RO Completion Section - For ongoing monitoring		
		P1 Projected PMPM From Column I (services) From Column G (Administration)	Q1 Quarterly Actual Costs		
			Member Months Actuals Start 7/1/2002	Actual Aggregate Waiver Form Costs	Actual PMPM Costs
64.21U Waiver Form	MCHIP - MCO/PCCM/PIHP (3 co.)	\$ 192.90			#DIV/0!
64.21U Waiver Form	MCHIP - PIHP statewide	\$ 21.20			#DIV/0!
64.9 Waiver Form	Title XIX - MCO/PCCM/PIHP (3 co)	\$ 954.89			#DIV/0!
64.9 Waiver Form	Title XIX - PIHP statewide	\$ 48.20			#DIV/0!
64.10 Waiver Form	All MEGS	\$ 3.77			#DIV/0!

Appendix D7 - Summary

Document the State's overall cost-effectiveness analysis by waiver year.

In a renewal analysis, the State must clearly demonstrate that the PMPM actual waiver expenditures did not exceed the projected PMPM waiver expenditures for the population covered by the waiver. *For example, suppose a State's Initial Waiver (ST 01) considered years 2003 and 2004 to be P1 and P2 respectively. In the subsequent Renewal Waiver (ST 01.R01), the State's R1 and R2 will also be years 2003 and 2004, respectively. The State must demonstrate that in total the actual expenditures in the current Renewal Waiver's R1 and R2 (2003 and 2004) did not exceed the total projected expenditures in the Initial Waiver's P1 and P2 (2003 and 2004). Taking the example above, a State would use the actual expenditures from 2003 and 2004 as the basis for projecting expenditures for the renewal waiver period 2005-2006 (P1 and P2 respectively). In the second Renewal Waiver (ST 01.R02), the actual expenditures in the renewal period for 2005-2006 (R1 and R2) must be less than the expenditures for 2005-2006 (P1 and P2) projected in the previous renewal (ST 01.R01). For each subsequent renewal, the State will compare actual expenditures in R1 and R2 to the projected P1 and P2 values from the previously submitted Renewal Waiver.*

Cost-effectiveness will be determined based on the sum of Medical Assistance service expenditures and State administrative costs on a PMPM for the two-year period. In this instance, the weighted PMPM for both the projection and the actual cost is based on the Casemix for actual enrollment in R1 and R2. In this way, the State is not held accountable for any caseload changes between Medicaid Eligibility Groups nor for overall changes in the magnitude of the State's caseload.

Step 1. List the MEGs for the waiver. These MEGs must be identical to the MEGs used in **Appendix D1 Member Months**.

Step 2. List the BY (R1 and R2 if a renewal), P1 and P2 annual projected member months.

Step 3. List the BY (R1 and R2 if a renewal), P1 and P2 PMPM projections from **Appendix D5**.

List and calculate the weighted average PMPM at the Casemix for that year and at the Casemix for the previous year. In other words, calculate the PMPM for that year's demographics and for the previous year's demographics so that CMS can compare the PMPM for the enrolled caseload to the PMPM holding the caseload's demographics constant. In short, the new PMPM times the old MM (new dollars times old weights = Casemix effect for old MM) is the Casemix for the old MM.

Initial or Conversion Waiver

Year	Calculation	Where Already Calculated	Formula
BY	BY Overall PMPM for BY (BY MMs)	Appendix D3	$\frac{\text{BY Aggregate Costs}}{\text{BY MM}}$
P1	P1 Weighted Average PMPM Casemix for BY (BY MMs) P1 Weighted Average PMPM Casemix for P1 (P1 MMs)	Appendix D6	$\frac{\text{P1 PMPM} \times \text{BY MM}}{\text{BY MM}}$ $\frac{\text{P1 PMPM} \times \text{P1 MM}}{\text{P1 MM}}$
P2	P2 Weighted Average PMPM Casemix for P1 (P1 MMs) P2 Weighted Average PMPM Casemix for P2 (P2 MMs) P2 Weighted Average PMPM Casemix for BY (BY MMs) P2 Weighted Average PMPM Casemix for P2 (P2 MMs)	Appendix D6 Appendix D6	$\frac{\text{P2 PMPM} \times \text{P1 MM}}{\text{P1 MM}}$ $\frac{\text{P2 PMPM} \times \text{P2 MM}}{\text{P2 MM}}$ $\frac{\text{P2 PMPM} \times \text{BY MM}}{\text{BY MM}}$ $\frac{\text{P2 PMPM} \times \text{P2 MM}}{\text{P2 MM}}$

Renewal Waiver

Year	Calculation	Where Already Calculated	Formula
R1	R1 Overall PMPM for R1 (R1 MMs)	Appendix D3	$\frac{\text{R1 Aggregate Costs}}{\text{R1 MM}}$
R2	R2 Weighted Average PMPM Casemix for R1 (R1 MMs) R2 Overall PMPM for R2 (R2 MMs)	Appendix D3	$\frac{\text{R2 PMPM} \times \text{R1 MM}}{\text{R1 MM}}$ $\frac{\text{R2 Aggregate Costs}}{\text{R2 MM}}$
P1	P1 Weighted Average PMPM Casemix for R2 (R2 MMs) P1 Weighted Average PMPM Casemix for P1 (P1 MMs)	Appendix D6	$\frac{\text{P1 PMPM} \times \text{R2 MM}}{\text{R2 MM}}$ $\frac{\text{P1 PMPM} \times \text{P1 MM}}{\text{P1 MM}}$
P2	P2 Weighted Average PMPM Casemix for P1 (P1 MMs)		$\frac{\text{P2 PMPM} \times \text{P1 MM}}{\text{P1 MM}}$

P2 Weighted Average PMPM Casemix for P2 (P2 MMs)	Appendix D6	$\frac{\text{P1 MM} \times \text{P2 PMPM}}{\text{P2 MM}}$
P2 Weighted Average PMPM Casemix for R1 (R1 MMs)		$\frac{\text{P2 PMPM} \times \text{R1 MM}}{\text{R1 MM}}$
P2 Weighted Average PMPM Casemix for P2 (P2 MMs)	Appendix D6	$\frac{\text{P2 PMPM} \times \text{P2 MM}}{\text{P2 MM}}$

Step 4. Calculate a total cost per waiver year. Multiply BY MM by BY PMPM. (Renewal Waiver, multiply R1 MM by R1 PMPM and multiply R2 MM by R2 PMPM) Multiply P1 MM by P1 PMPM. Multiply P2 MM by P2 PMPM. *Note: the Total Cost per Waiver Year for R1 for renewals should match the Schedule D submitted. A portion of R2 may be projected in order to timely submit the waiver renewal application.*

Step 5. Renewal Waiver only - Calculate the Total Previous Waiver Period Expenditures (Casemix for R1 and R2). *Note: the Total Cost per Waiver for R1 should match the Schedule D submitted. A portion of R2 may be projected in order to timely submit the waiver renewal application.*

Step 6. Calculate the Total Projected Waiver Expenditures for P1 and P2.

Step 7. Calculate the annual percentage change. For Initial and Conversion waivers, calculate the percentage change from BY to P1, P1 to P2 and BY to P2 for each MEG. For renewals, calculate the percentage change from R1 to R2, R2 to P1, P1 to P2, and R1 to P2 for each MEG. Calculate the annual percentage change for the weighted average PMPM at the Casemix for that year and at the Casemix for the previous year. In other words, calculate the annual percentage change in the PMPM compared to the previous year for that year's demographics and for the previous year's demographics. This allows CMS to compare the percentage of the PMPM that changed due to the caseload's demographics changes. The sample spreadsheets have appropriate formulas for State use. Explain these percentage changes in the State Completion section.

Step 8. Renewal Waiver only - list the PMPM cost projections (P1 and P2) by MEG from the previous waiver submittal.

Step 9. Renewal Waiver only - Calculate the Actual Previous Waiver Period Expenditures, Total Projection of Previous Waiver Period Expenditures, and Total Difference between Projections and Actual Waiver Cost for the Previous Waiver using actual R1 and R2 member months. Using actual R1 and R2 member months will hold the State harmless for caseload changes. Multiply the PMPM projections by the actual R1 and R2 member months to obtain the overall expenditures for the past Waiver Period. Subtract waiver actual waiver costs for R1 and R2 from the projected PMPM program costs previously submitted (P1 and P2 in the previous waiver submission) to obtain the difference between the Projections and Actual Waiver Cost for the retrospective period. If **Actual Waiver Service Cost plus the Actual Waiver Administration Cost is less than or equal to Projected Waiver Cost**, then the State has met the Cost-effectiveness test and the waiver may be renewed.

IV. State Completion Section

A. Assurances

- a. [Required] Through the submission of this waiver, the State assures CMS:
 - The fiscal staff in the Medicaid agency has reviewed these calculations for accuracy and attests to their correctness.
 - The State assures CMS that the actual waiver costs will be less than or equal to or the State's waiver cost projection.
 - Capitated rates will be set following the requirements of 42 CFR 438.6(c) and will be submitted to the CMS Regional Office for approval.
 - Capitated 1915(b)(3) services will be set in an actuarially sound manner based only on approved 1915(b)(3) services and their administration subject to RO prior approval.
 - The State will monitor, on a regular basis, the cost-effectiveness of the waiver (for example, the State may compare the PMPM Actual Waiver Cost from the CMS 64 to the approved Waiver Cost Projections). If changes are needed, the State will submit a prospective amendment modifying the Waiver Cost Projections.
 - The State will submit quarterly actual member month enrollment statistics by MEG in conjunction with the State's submitted CMS-64 forms.
- b. Name of Medicaid Financial Officer making these assurances: Kerri Bestul
- c. Telephone Number: (402) 471 9337

B. For Renewal Waivers only - Expedited or Comprehensive Test—To provide information on the waiver program to determine whether the waiver will be subject to the Expedited or Comprehensive cost effectiveness test. *Note: All waivers, even those eligible for the Expedited test, are subject to further review at the discretion of CMS and OMB.*

- a. X The State provides additional services under 1915(b)(3) authority.
- b. X The State makes enhanced payments to contractors or providers.
- c. The State uses a sole-source procurement process to procure State Plan services under this waiver.
- d. Enrollees in this waiver receive services under another 1915(b) waiver program that includes additional waiver services under 1915(b)(3) authority; enhanced payments to contractors or providers; or sole-source procurement processes to procure State Plan services. *Note: do not mark this box if this is a waiver for transportation services and dental pre-paid ambulatory health plans (PAHPs) that has overlapping populations with another waiver meeting one of these three criteria. For transportation and dental waivers alone, States do not need to consider an overlapping population with another waiver containing additional services, enhanced payments, or sole source procurement as a trigger for the comprehensive waiver test. However, if the transportation services or dental PAHP waiver meets the criteria in a, b, or c for additional services, enhanced payments, or sole source procurement then the State should mark the appropriate box and process the waiver using the Comprehensive Test.*

If you marked any of the above, you must complete the entire preprint and your renewal waiver is subject to the Comprehensive Test. If you did not mark any of the above, your renewal waiver is subject to the Expedited Test:

- Do not complete **Appendix D3**
- Attach the most recent waiver Schedule D, and the corresponding completed quarters of CMS-64.9 waiver and CMS-64.21U Waiver and CMS 64.10 Waiver forms, and
- Your waiver will not be reviewed by OMB *at the discretion of CMS and OMB*.

The following questions are to be completed in conjunction with the Worksheet Appendices. All narrative explanations should be included in the preprint. Where further clarification was needed, we have included additional information in the preprint.

C. Capitated portion of the waiver only: Type of Capitated Contract

The response to this question should be the same as in **A.II.e**.

- ☒ Risk-comprehensive (fully-capitated--MCOs, HIOs)
- ☐ Partial risk/ PIHP
- ☐ Partial risk/ PAHP
- ☒ Other (please explain): Non-risk Specialty Physician Case Management System

D. PCCM portion of the waiver only: Reimbursement of PCCM Providers

Under this waiver, providers are reimbursed on a fee-for-service basis. PCCMs are reimbursed for patient management in the following manner (please check and describe). Responses must match those provided in **Section A.II.c.6**:

- ☒ Management fees are expected to be paid under this waiver. The management fees were calculated as follows.
 - ☒ First Year: \$ 2.00 per member per month fee
 - ☒ Second Year: \$ 2.00 per member per month fee
 - ☒ Third Year: \$ 2.00 per member per month fee
 - ☒ Fourth Year: \$ 2.00 per member per month fee
- ☐ Enhanced fee for primary care services. Please explain which services will be affected by enhanced fees and how the amount of the enhancement was determined.
- ☐ Bonus payments from savings generated under the program are paid to case managers who control beneficiary utilization. Under D.IV.H.d.2, please describe the criteria the State will use for awarding the incentive payments, the method for calculating incentives/bonuses, and the monitoring the State will have in place to ensure that total payments to the providers do not exceed the Waiver Cost Projections (Appendix D5). Bonus payments and incentives for reducing utilization are limited to savings of State Plan service costs under the waiver. Please also describe how the State will ensure that utilization is not adversely affected due to incentives inherent in the bonus payments. The costs associated with any bonus arrangements must be accounted for in Appendix D3. Actual Waiver Cost. Response can be included in
- ☐ Other reimbursement method/amount. \$ _____ Please explain the State's rationale for determining this method or amount.

E. Appendix D1 – Member Months

Please mark all that apply.

For Initial Waivers only:

- a. ☐ Population in the base year data
 - 1. ☐ Base year data is from the same population as to be included in the waiver.
 - 2. ☐ Base year data is from a comparable population to the individuals to be included in the waiver. (Include a statement from an actuary or other explanation, which supports the conclusion that the populations are comparable.)
- b. ☐ For an initial waiver, if the State estimates that not all eligible individuals will be enrolled in managed care (i.e., a percentage of individuals will not be enrolled because of changes in eligibility status and the length of the enrollment process) please note the adjustment here.
- c. ☐ [Required] Explain the reason for any increase or decrease in member months projections from the base year or over time: _____
- d. ☐ [Required] Explain any other variance in eligible member months from BY to P2: _____
- e. ☐ [Required] List the year(s) being used by the State as a base year: _____. If multiple years are being used, please explain: _____
- f. ☐ [Required] Specify whether the base year is a State fiscal year (SFY), Federal fiscal year (FFY), or other period _____.
- g. ☐ [Required] Explain if any base year data is not derived directly from the State's MMIS fee-for-service claims data: _____

For Conversion or Renewal Waivers:

- a. ☒ [Required] Population in the base year and R1 and R2 data is the population under the waiver.
- b. ☐ For a renewal waiver, because of the timing of the waiver renewal submittal, the State estimated up to six (6) months of enrollment data for R2 of the previous waiver period. Note the length of time estimated: _____
- c. ☒ [Required] Explain the reason for any increase or decrease in member months projections from the base year or over time: Enrollment projections were forecast using regression techniques based on monthly historical enrollment patterns for the waiver population. Due to credibility issues, annualized enrollment projections were based on the total waiver population and applied uniformly across each of the Medicaid Eligibility Groups.
- d. ☒ [Required] Explain any other variance in eligible member months from BY/R1 to P2: There were no other variances in the enrollment projections.
- e. ☒ [Required] Specify whether the BY/R1/R2 is a State fiscal year (SFY), Federal fiscal year (FFY), or other period: The base year represents State fiscal year 2002 (SFY02 = July 1, 2001 through June 30, 2002).

F. Appendix D2.S - Services in Actual Waiver Cost

For Initial Waivers:

- a. ☐ [Required] Explain the exclusion of any services from the cost-effectiveness analysis. For States with multiple waivers serving a single beneficiary, please document how all costs for waiver covered individuals taken into account.

For Conversion or Renewal Waivers:

- a. X [Required] Explain if different services are included in the Actual Waiver Cost from the previous period in **Appendix D3** than for the upcoming waiver period in **Appendix D5**. Explain the differences here and how the adjustments were made on **Appendix D5**: The services included in the Actual Waiver Costs are the services to be provided in the upcoming waiver period. Beginning with SFY03 (P1), the Magellan contract calls for utilization management/case management incentives. This is the reason amounts are shown in Appendix D5 column S, where there were no FFS Incentive Costs in Appendix D3 column G.
- b. X [Required] Explain the exclusion of any services from the cost-effectiveness analysis. For States with multiple waivers serving a single beneficiary, please document how all costs for waiver covered individuals taken into account: No services were excluded from the data in the development of the base year costs.

G. Appendix D2.A - Administration in Actual Waiver Cost

[Required] The State allocated administrative costs between the Fee-for-service and managed care program depending upon the program structure. The allocation method is explained below:

- a. X The State allocates the administrative costs to the managed care program based upon the number of waiver enrollees as a percentage of total Medicaid enrollees. *Note: this is appropriate for MCO/PCCM programs.*
- b. The State allocates administrative costs based upon the program cost as a percentage of the total Medicaid budget. It would not be appropriate to allocate the administrative cost of a mental health program based upon the percentage of enrollees enrolled. *Note: this is appropriate for statewide PIHP/PAHP programs.*
- c. Other (Please explain).

H. Appendix D3 – Actual Waiver Cost

- a. X The State is requesting a 1915(b)(3) waiver in **Section A.II.g.2** and will be providing non-state plan medical services. The State will be spending a portion of its waiver savings for additional services under the waiver.

For an initial waiver, in the chart below, please document the amount of savings that will be accrued in the State Plan services. The amount of savings that will be spent on 1915(b)(3) services must be reflected on **Column T of Appendix D5** in the initial spreadsheet Appendices. Please include a justification of the amount of savings expected and the cost of the 1915(b)(3) services. Please state the aggregate budgeted amount projected to be spent on each additional service in the upcoming waiver period in the chart below. This amount should be reflected in the State's Waiver Cost Projection for P1 and P2 on **Column W in Appendix D5**.

Chart: Initial Waiver State Specific 1915(b)(3) Service Expenses and Projections

1915(b)(3) Service	Savings projected in State Plan Services	Inflation projected	Amount projected to be spent in Prospective Period

<i>(Service Example: 1915(b)(3) step-down nursing care services financed from savings from inpatient hospital care. See attached documentation for justification of savings.)</i>	<i>\$54,264 savings or .03 PMPM</i>	<i>9.97% or \$5,411</i>	<i>\$59,675 or .03 PMPM P1 \$62,488 or .03 PMPM P2</i>
Total	<i>(PMPM in Appendix D5 Column T x projected member months should correspond)</i>		<i>(PMPM in Appendix D5 Column W x projected member months should correspond)</i>

For a renewal or conversion waiver, in the chart below, please state the actual amount spent on each 1915(b)(3) service in the retrospective waiver period. This amount must be built into the State's Actual Waiver Cost for R1 and R2 (BY for Conversion) on **Column H in Appendix D3**. Please state the aggregate amount of 1915(b)(3) savings budgeted for each additional service in the upcoming waiver period in the chart below. This amount must be built into the State's Waiver Cost Projection for P1 and P2 on **Column W in Appendix D5**.

Chart: Renewal/Conversion Waiver State Specific 1915(b)(3) Service Expenses and Projections

1915(b)(3) Service	Amount Spent in Base Year	Inflation projected	Amount projected to be spent in Prospective Period
Other 1915(b)(3) services.	\$2,311,029 or \$1.22 PMPM	3.0% annualized or \$140,742 over two years <i>(note that \$279,315 is attributable to caseload changes from BY to P2)</i>	\$2,731,086 or \$1.30 PMPM in P2
		3.0% annualized or \$73,553 <i>(note that \$164,294 is attributable to caseload changes from P2 to P3)</i>	\$2,968,933 or \$1.34 PMPM in P3

Adult substance abuse services.	\$3,500,000 or \$1.85 PMPM	3.0% annualized or \$213,150 over two years (note that \$423,016 is attributable to caseload changes from BY to P2)	\$4,136,166 or \$1.96 PMPM in P2
		3.0% annualized or \$111,395 (note that \$248,819 is attributable to caseload changes from P2 to P3)	\$4,496,379 or \$2.02 PMPM in P3
Total – Note that caseload changes impact total projected dollars for P2 and P3 when using projected member months. The 3.0% inflation does not account for caseload changes.	\$5,811,029 or \$3.07 PMPM		\$7,465,312 or \$3.36 PMPM

- b. ____ The State is including voluntary populations in the waiver. Describe below how the issue of selection bias has been addressed in the Actual Waiver Cost calculations:
- c. X Capitated portion of the waiver only -- Reinsurance or Stop/Loss Coverage: Please note how the State will be providing or requiring reinsurance or stop/loss coverage as required under the regulation. States may require MCOs/PIHPs/PAHPs to purchase reinsurance. Similarly, States may provide stop-loss coverage to MCOs/PIHPs/PAHPs when MCOs/PIHPs/PAHPs exceed certain payment thresholds for individual enrollees. Stop loss provisions usually set limits on maximum days of coverage or number of services for which the MCO/PIHP/PAHP will be responsible. If the State plans to provide stop/loss coverage, a description is required. The State must document the probability of incurring costs in excess of the stop/loss level and the frequency of such occurrence based on FFS experience. The expenses per capita (also known as the stoploss premium amount) should be deducted from the capitation year projected costs. In the initial application, the effect should be neutral. In the renewal report, the actual reinsurance cost and claims cost should be reported in Actual Waiver Cost.

Basis and Method:

1. ____ The State does not provide stop/loss protection for MCOs/PIHPs/PAHPs, but requires MCOs/PIHPs/PAHPs to purchase reinsurance coverage privately. No adjustment was necessary.

2. X The State provides stop/loss protection (please describe): Nebraska offers participating MCOs the option to purchase Inpatient Reinsurance, which will reimburse the MCOs 75 percent of incurred inpatient claims over \$75,000 per episode of care. The charge for this reinsurance was developed by looking at Mercer's large claims experience in other states in order to enhance data credibility, along with large claims reported by the MCOs and the State under both its PCCM and FFS programs. When utilizing other states data, catastrophic inpatient claims were identified as a percentage of total inpatient claims for rate cohorts similar to Nebraska's Health Connection and Kids Connection (MCHIP) programs. These percentages were then applied to Nebraska's rate cohorts to develop initial reinsurance premiums. Adjustments were made to incorporate Nebraska-specific experience. Consistent with the CMS rate-setting checklists, the reinsurance rates have been designed to be cost-neutral. Net Capitation Rates are produced as the difference between the Gross Capitation Rates and the reinsurance rates when an MCO purchases the optional reinsurance.
- d. X Incentive/bonus/enhanced Payments for both Capitated and fee-for-service Programs:
1. X [For the capitated portion of the waiver] the total payments under a capitated contract include any incentives the State provides in addition to capitated payments under the waiver program. The costs associated with any bonus arrangements must be accounted for in the capitated costs (**Column D of Appendix D3 Actual Waiver Cost**). Regular State Plan service capitated adjustments would apply.
- i. Document the criteria for awarding the incentive payments.
Please see the attached protocols that serve as the criteria for awarding incentive payments.
- ii. Document the method for calculating incentives/bonuses.
For the purposes of this explanation, the term "net capitation rate" shall mean the PMPM rate net of reinsurance and including 0.5% for incentives/bonus payments. (This is the amount actually disbursed on a monthly basis.) The term "maximum capitation rate" shall mean the PMPM rate net of reinsurance and including the full 2% possible to earn in incentives/bonus payments. (This is a maximum target amount.)
- The methodology for calculating a bonus payment consists of multiplying the actual membership in the plan during the measurement period by the maximum capitation rate and subtracting the amount already paid in net capitation. The difference is the additional 1.5% earned by meeting the incentive criteria.
- Were the plan to fail to meet the incentive criteria, the 0.5% paid through the net capitation payments would be recouped.
- iii. Document the monitoring the State will have in place to ensure that total payments to the MCOs/PIHPs/PAHPs do not exceed the Waiver Cost Projection.
The State plans to monitor incentives/bonus payments, as well as all other payments, on an on-going basis through the CMS-64 quarterly submissions.

2. X For the fee-for-service portion of the waiver, all fee-for-service must be accounted for in the fee-for-service incentive costs (**Column G of Appendix D3 Actual Waiver Cost**). For PCCM providers, the amount listed should match information provided in **D.IV.D Reimbursement of Providers**. Any adjustments applied would need to meet the special criteria for fee-for-service incentives if the State elects to provide incentive payments in addition to management fees under the waiver program (**See D.IV.H.e and D.IV.I.f**)
- i. Document the criteria for awarding the incentive payments.
Beginning in SFY03, the Magellan contract contains potential incentive payments for utilization management and case management. Incentive payments may be earned for management of RTC and Inpatient Hospital care. Should stellar performance standards be achieved, additional incentive payments could be earned.
 - ii. Document the method for calculating incentives/bonuses.
Please see the attached excerpt from the contract between the State of Nebraska and Magellan Behavioral Health, Inc., Section 8.51 Performance Incentive.
 - iii. Document the monitoring the State will have in place to ensure that total payments to the MCOs/PIHPs/PAHPs/PCCMs do not exceed the Waiver Cost Projection.
The State plans to monitor incentives/bonus payments, as well as all other payments, on an on-going basis through the CMS-64 quarterly submissions.

H. Appendix D4 – Adjustments in the Projection

Initial Waiver Cost Projection & Adjustments (If this is a Conversion or Renewal waiver , skip to I. Conversion or Renewal Waiver Cost Projection and Adjustments): States may need to make certain adjustments to the Base Year in order to accurately reflect the waiver program in P1 and P2. If the State has made an adjustment to its Base Year, the State should note the adjustment and its location in Appendix D4, and include information on the basis and method used in this section of the preprint. Where noted, certain adjustments should be mathematically accounted for in **Appendix D5**.

The following adjustments are appropriate for initial waivers. Any adjustments that are required are indicated as such.

- a. **State Plan Services Trend Adjustment** – the State must trend the data forward to reflect cost and utilization increases. The BY data already includes the actual Medicaid cost changes to date for the population enrolled in the program. This adjustment reflects the expected cost and utilization increases in the managed care program from BY to the end of the waiver (P2). Trend adjustments may be service-specific. The adjustments may be expressed as percentage factors. Some states calculate utilization and cost increases separately, while other states calculate a single trend rate encompassing both utilization and cost increases. The State must document the method used and how utilization and cost increases are not duplicative if they are calculated separately. **This**

adjustment must be mutually exclusive of programmatic/policy/pricing changes and CANNOT be taken twice. The State must document how it ensures there is no duplication with programmatic/policy/pricing changes.

1. ____ [Required, if the State's BY is more than 3 months prior to the beginning of P1] The State is using actual State cost increases to trend past data to the current time period (*i.e., trending from 1999 to present*) The actual trend rate used is: _____. Please document how that trend was calculated:
2. ____ [Required, to trend BY to P1 and P2 in the future] When cost increases are unknown and in the future, the State is using a predictive trend of either State historical cost increases or national or regional factors that are predictive of future costs (same requirement as capitated ratesetting regulations) (*i.e., trending from present into the future*).
 - i. ____ State historical cost increases. Please indicate the years on which the rates are based: base years _____. In addition, please indicate the mathematical method used (multiple regression, linear regression, chi-square, least squares, exponential smoothing, etc.). Finally, please note and explain if the State's cost increase calculation includes more factors than a price increase such as changes in technology, practice patterns, and/or units of service PMPM.
 - ii. ____ National or regional factors that are predictive of this waiver's future costs. Please indicate the services and indicators used _____. Please indicate how this factor was determined to be predictive of this waiver's future costs. Finally, please note and explain if the State's cost increase calculation includes more factors than a price increase such as changes in technology, practice patterns, and/or units of service PMPM.
3. ____ The State estimated the PMPM cost changes in units of service, technology and/or practice patterns that would occur in the waiver separate from cost increase. Utilization adjustments made were service-specific and expressed as percentage factors. The State has documented how utilization and cost increases were not duplicated. This adjustment reflects the changes in utilization between the BY and the beginning of the P1 and between years P1 and P2.
 - i. ____ Please indicate the years on which the utilization rate was based (if calculated separately only).
 - ii. ____ Please document how the utilization did not duplicate separate cost increase trends.

- b. ____ **State Plan Services Programmatic/Policy/Pricing Change Adjustment:** This adjustment should account for any programmatic changes that are not cost neutral and affect that the Waiver Cost Projection. Adjustments to the BY data are typically for changes that occur after the BY (or after the collection of the BY data) and/or during P1 and P2 that affect the overall Medicaid program. For example, changes in rates, changes brought about by legal action, or changes brought about by legislation. For example, Federal mandates, changes in hospital payment from per diem rates to Diagnostic Related Group (DRG) rates or changes in the benefit coverage of the FFS program. **This adjustment must be mutually exclusive of trend and CANNOT be taken twice. The State must document how it ensures there is no duplication with trend.** If the State is changing one of the aspects noted above in the FFS State Plan then the State needs to estimate the impact of that adjustment. *Note: FFP on rates cannot be claimed until CMS approves*

the SPA per the 1/2/01 SMD letter. Prior approval of capitation rates is contingent upon approval of the SPA.

Others:

- Additional State Plan Services (+)
- Reductions in State Plan Services (-)
- Legislative or Court Mandated Changes to the Program Structure or fee schedule not accounted for in cost increases or pricing (+/-)

1. ___ The State has chosen not to make an adjustment because there were no programmatic or policy changes in the FFS program after the MMIS claims tape was created. In addition, the State anticipates no programmatic or policy changes during the waiver period.
2. ___ An adjustment was necessary. The adjustment(s) is(are) listed and described below:
 - i. ___ The State projects an externally driven State Medicaid managed care rate increases/decreases between the base and rate periods.
For each change, please report the following:
 - A. ___ The size of the adjustment was based upon a newly approved State Plan Amendment (SPA). PMPM size of adjustment _____
 - B. ___ The size of the adjustment was based on pending SPA. Approximate PMPM size of adjustment _____
 - C. ___ Determine adjustment based on currently approved SPA. PMPM size of adjustment _____
 - D. ___ Other (please describe):
 - ii. ___ The State has projected no externally driven managed care rate increases/decreases in the managed care rates.
 - iii. ___ Changes brought about by legal action (please describe):
For each change, please report the following:
 - A. ___ The size of the adjustment was based upon a newly approved State Plan Amendment (SPA). PMPM size of adjustment _____
 - B. ___ The size of the adjustment was based on pending SPA. Approximate PMPM size of adjustment _____
 - C. ___ Determine adjustment based on currently approved SPA. PMPM size of adjustment _____
 - D. ___ Other (please describe):
 - iv. ___ Changes in legislation (please describe):
For each change, please report the following:
 - A. ___ The size of the adjustment was based upon a newly approved State Plan Amendment (SPA). PMPM size of adjustment _____
 - B. ___ The size of the adjustment was based on pending SPA. Approximate PMPM size of adjustment _____
 - C. ___ Determine adjustment based on currently approved SPA. PMPM size of adjustment _____
 - D. ___ Other (please describe):
 - v. ___ Other (please describe):
 - A. ___ The size of the adjustment was based upon a newly approved State Plan Amendment (SPA). PMPM size of adjustment _____
 - B. ___ The size of the adjustment was based on pending SPA. Approximate PMPM size of adjustment _____

- C. ___ Determine adjustment based on currently approved SPA. PMPM size of adjustment _____
- D. ___ Other (please describe):

e. Administrative Cost Adjustment*: The administrative expense factor in the initial waiver is based on the administrative costs for the eligible population participating in the waiver for fee-for-service. Examples of these costs include per claim claims processing costs, per record PRO review costs, and Surveillance and Utilization Review System (SURS) costs. *Note: one-time administration costs should not be built into the cost-effectiveness test on a long-term basis. States should use all relevant Medicaid administration claiming rules for administration costs they attribute to the managed care program.* If the State is changing the administration in the fee-for-service program then the State needs to estimate the impact of that adjustment.

1. ___ No adjustment was necessary and no change is anticipated.
2. ___ An administrative adjustment was made.
 - i. ___ FFS administrative functions will change in the period between the beginning of P1 and the end of P2. Please describe:
 - A. ___ Determine administration adjustment based upon an approved contract or cost allocation plan amendment (CAP).
 - B. ___ Determine administration adjustment based on pending contract or cost allocation plan amendment (CAP).
 - C. ___ Other (please describe):
 - ii. ___ FFS cost increases were accounted for.
 - A. ___ Determine administration adjustment based upon an approved contract or cost allocation plan amendment (CAP).
 - B. ___ Determine administration adjustment based on pending contract or cost allocation plan amendment (CAP).
 - C. ___ Other (please describe):
 - iii. ___ [Required, when State Plan services were purchased through a sole source procurement with a governmental entity. No other State administrative adjustment is allowed.] If cost increase trends are unknown and in the future, the State must use the lower of: Actual State administration costs trended forward at the State historical administration trend rate or Actual State administration costs trended forward at the State Plan services trend rate. Please document both trend rates and indicate which trend rate was used.
 - A. Actual State Administration costs trended forward at the State historical administration trend rate. Please indicate the years on which the rates are based: base years _____. In addition, please indicate the mathematical method used (multiple regression, linear regression, chi-square, least squares, exponential smoothing, etc.). Finally, please note and explain if the State's cost increase calculation includes more factors than a price increase.
 - B. Actual State Administration costs trended forward at the State Plan Service Trend rate. Please indicate the State Plan Service trend rate from **Section D.IV.H.a.** above _____.

* For Combination Capitated and PCCM Waivers: If the capitated rates are adjusted by the amount of administration payments, then the PCCM Actual Waiver Cost must be calculated less the administration amount. For additional information, please see Special Note at end of this section.

- d. **1915(b)(3) Adjustment:** The State must document the amount of State Plan Savings that will be used to provide additional 1915(b)(3) services in **Section D.IV.H.a** above. The Base Year already includes the actual trend for the State Plan services in the program. This adjustment reflects the expected trend in the 1915(b)(3) services between the Base Year and P1 of the waiver and the trend between the beginning of the program (P1) and the end of the program (P2). Trend adjustments may be service-specific and expressed as percentage factors.
1. ____ [Required, if the State's BY is more than 3 months prior to the beginning of P1 to trend BY to P1] The State is using the actual State historical trend to project past data to the current time period (*i.e., trending from 1999 to present*). The actual documented trend is: _____. Please provide documentation.
 2. ____ [Required, when the State's BY is trended to P2. No other 1915(b)(3) adjustment is allowed] If trends are unknown and in the future (*i.e., trending from present into the future*), the State must use the State's trend for State Plan Services.
 - i. State Plan Service trend
 - A. Please indicate the State Plan Service trend rate from **Section D.IV.H.a** above _____.
- e. **Incentives (not in capitated payment) Trend Adjustment:** If the State marked **Section D.IV.G.d.2**, then this adjustment reports trend for that factor. Trend is limited to the rate for State Plan services.
1. List the State Plan trend rate by MEG from **Section D.IV.H.a**. _____
 2. List the Incentive trend rate by MEG if different from **Section D.IV.H.a** _____
 3. Explain any differences:
- f. **Graduate Medical Education (GME) Adjustment:** 42 CFR 438.6(c)(5) specifies that States can include or exclude GME payments for managed care participant utilization in the capitation rates. However, GME payments on behalf of managed care waiver participants must be included in cost-effectiveness calculations.
1. ____ We assure CMS that GME payments are included from base year data.
 2. ____ We assure CMS that GME payments are included from the base year data using an adjustment. (Please describe adjustment.)
 3. ____ Other (please describe):
- If GME rates or the GME payment method has changed since the Base Year data was completed, the Base Year data should be adjusted to reflect this change and the State needs to estimate the impact of that adjustment and account for it in **Appendix D5**.
1. ____ GME adjustment was made.
 - i. ____ GME rates or payment method changed in the period between the end of the BY and the beginning of P1 (please describe).
 - ii. ____ GME rates or payment method is projected to change in the period between the beginning of P1 and the end of P2 (please describe).

2. ___ No adjustment was necessary and no change is anticipated.

Method:

1. ___ Determine GME adjustment based upon a newly approved State Plan Amendment (SPA).
2. ___ Determine GME adjustment based on a pending SPA.
3. ___ Determine GME adjustment based on currently approved GME SPA.
4. ___ Other (please describe):

- g. **Payments / Recoupments not Processed through MMIS Adjustment:** Any payments or recoupments for covered Medicaid State Plan services included in the waiver but processed outside of the MMIS system should be included in the Waiver Cost Projection. Any payments or recoupments made should be accounted for in Appendix D5.
1. ___ Payments outside of the MMIS were made. Those payments include (please describe):
 2. ___ Recoupments outside of the MMIS were made. Those recoupments include (please describe):
 3. ___ The State had no recoupments/payments outside of the MMIS.

- h. **Copayments Adjustment:** This adjustment accounts for any copayments that are collected under the FFS program but will not be collected in the waiver program. States must ensure that these copayments are included in the Waiver Cost Projection if not to be collected in the capitated program.

Basis and Method:

1. ___ Claims data used for Waiver Cost Projection development already included copayments and no adjustment was necessary.
2. ___ State added estimated amounts of copayments for these services in FFS that were not in the capitated program. Please account for this adjustment in Appendix D5.
3. ___ The State has not to made an adjustment because the same copayments are collected in managed care and FFS.
4. ___ Other (please describe):

If the State's FFS copayment structure has changed in the period between the end of the BY and the beginning of P1, the State needs to estimate the impact of this change adjustment.

1. ___ No adjustment was necessary and no change is anticipated.
2. ___ The copayment structure changed in the period between the end of the BY and the beginning of P1. Please account for this adjustment in Appendix D5.

Method:

1. ___ Determine copayment adjustment based upon a newly approved State Plan Amendment (SPA).
2. ___ Determine copayment adjustment based on pending SPA.
3. ___ Determine copayment adjustment based on currently approved copayment SPA.
4. ___ Other (please describe):

- i. **Third Party Liability (TPL)* Adjustment:** This adjustment should be used only if the State will delegate the collection and retention of TPL payments for post-pay recoveries to the

MCO/PIHP/PAHP. If the MCO/PIHP/PAHP will collect and keep TPL, then the Base Year costs should be reduced by the amount to be collected.

Basis and method:

1. ___ No adjustment was necessary
2. ___ Base Year costs were cut with post-pay recoveries already deducted from the database.*
3. ___ State collects TPL on behalf of MCO/PIHP/PAHP enrollees
4. ___ The State made this adjustment: *
 - i. ___ Post-pay recoveries were estimated and the base year costs were reduced by the amount of TPL to be collected by MCOs/PIHPs/PAHPs. Please account for this adjustment in Appendix D5.
 - ii. ___ Other (please describe):

*For Combination Capitated and PCCM Waivers: If the MCO/PIHP/PAHP will collect and keep TPL recoveries, then the PCCM Actual Waiver Cost must be calculated less the TPL recovery amount expected in the PCCM program. For additional information, please see Special Note at end of this section.

- j. Pharmacy Rebate Factor Adjustment *: Rebates that States receive from drug manufacturers should be deducted from Base Year costs if pharmacy services are included in the capitated base. If the base year costs are not reduced by the rebate factor, an inflated BY would result. Pharmacy rebates should also be deducted from FFS costs if pharmacy services are impacted by the waiver but not capitated.

Basis and Method:

1. ___ Determine the percentage of Medicaid pharmacy costs that the rebates represent and adjust the base year costs by this percentage. States may want to make separate adjustments for prescription versus over the counter drugs and for different rebate percentages by population. States may assume that the rebates for the targeted population occur in the same proportion as the rebates for the total Medicaid population.* Please account for this adjustment in **Appendix D5**.
2. ___ The State has not made this adjustment because pharmacy is not an included capitation service and the capitated contractor's providers do not prescribe drugs that are paid for by the State in FFS.
3. ___ Other (please describe):

* For Combination Capitated and PCCM Waivers: If the capitated rates are adjusted by the amount of rebate collections, then the PCCM Actual Waiver Cost must be calculated less the pharmacy rebate amount expected in the PCCM program. For additional information, please see Special Note at end of this section.

- k. Disproportionate Share Hospital (DSH) Adjustment: Section 4721 of the BBA specifies that DSH payments must be made solely to hospitals and not to MCOs/PIHPs/PAHPs. Section 4721(c) permits an exemption to the direct DSH payment for a limited number of States. If this exemption applies to the State, please identify and describe under "Other" including the supporting documentation. Unless the exemption in Section 4721(c) applies or the State has a FFS-only

waiver (e.g., selective contracting waiver for hospital services where DSH is specifically included), DSH payments are not to be included in cost-effectiveness calculations.

1. ___ We assure CMS that DSH payments are excluded from base year data.
2. ___ We assure CMS that DSH payments are excluded from the base year data using an adjustment.
3. ___ Other (please describe):

- l. Population Biased Selection Adjustment (Required for programs with Voluntary Enrollment): Cost-effectiveness calculations for waiver programs with voluntary populations must include an analysis of the population that can be expected to enroll in the waiver. If the State finds that the population most likely to enroll in the waiver differs significantly from the population that will voluntarily remain in FFS, the Base Year costs must be adjusted to reflect this.
 1. ___ This adjustment is not necessary as there are no voluntary populations in the waiver program.
 2. ___ This adjustment was made:
 - a. ___ Potential Selection bias was measured in the following manner:
 - b. ___ The base year costs were adjusted in the following manner:
- m. FQHC and RHC Cost-Settlement Adjustment: Base Year costs should not include cost-settlement or supplemental payments made to FQHCs/RHCs. The Base Year costs should reflect fee-for-service payments for services provided at these sites, which will be built into the capitated rates.
 1. ___ We assure CMS that FQHC/RHC cost-settlement and supplemental payments are excluded from the Base Year costs. Payments for services provided at FQHCs/RHCs are reflected in the following manner:
 2. ___ We assure CMS that FQHC/RHC cost-settlement and supplemental payments are excluded from the base year data using an adjustment.
 3. ___ Other (please describe):

Special Note section:

Waiver Cost Projection Reporting: Special note for new capitated programs

The State is implementing the first year of a new capitated program (converting from fee-for-service reimbursement). The first year that the State implements a capitated program, the State will be making capitated payments for future services while it is reimbursing FFS claims from retrospective periods. This will cause State expenditures in the initial period to be much higher than usual. In order to adjust for this double payment, the State should not use the first quarter of costs (immediately following implementation) from the CMS-64 to calculate future Waiver Cost Projections, unless the State can distinguish and exclude dates of services prior to the implementation of the capitated program.

- a. ___ The State has excluded the first quarter of costs of the CMS-64 from the cost-effectiveness calculations and is basing the cost-effectiveness projections on the remaining quarters of data.
- b. ___ The State has included the first quarter of costs in the CMS-64 and excluded claims for dates of services prior to the implementation of the capitated program.

Special Note for initial combined waivers (Capitated and PCCM) only:

Adjustments Unique to the Combined Capitated and PCCM Cost-effectiveness Calculations --

Some adjustments to the Waiver Cost Projection are applicable only to the capitated program. When these adjustments are taken, there will need to be an offsetting adjustment to the PCCM Base year Costs in order to make the PCCM costs comparable to the Waiver Cost Projection. **In other words, because we are creating a single combined Waiver Cost Projection applicable to the PCCM and capitated waiver portions of the waiver, offsetting adjustments (positive and/or negative) need to be made to the PCCM Actual Waiver Cost for certain *capitated-only* adjustments.** When an offsetting adjustment is made, please note and include an explanation and your calculations. The three most common offsetting adjustments that will be needed are noted in the chart below and indicated with an asterisk (*) in the preprint.

Adjustment	Capitated Program	PCCM Program
Administrative Adjustment	The Capitated Waiver Cost Projection includes an administrative cost adjustment. That adjustment is added into the combined Waiver Cost Projection adjustment. (This in effect adds an amount for administration to the Waiver Cost Projection for both the PCCM and Capitated program. You must now remove the impermissible costs from the PCCM With Waiver Calculations -- See the next column)	The PCCM Actual Waiver Cost must include an exact offsetting addition of the amount of the PMPM Waiver Cost Projection adjustment. (While this may seem counter-intuitive, adding the exact amount to the PCCM PMPM Actual Waiver Cost will subtract out of the equation: $\text{PMPM Waiver Cost Projection} - \text{PMPM Actual Waiver Cost} = \text{PMPM Cost-effectiveness}.$)
Third-Party Liability Adjustment	The MCO will collect and keep TPL recoveries. The Capitated Waiver Cost Projection is created less the Third-Party Liability amount. That adjustment is subtracted from the combined Waiver Cost Projection adjustment.	The PCCM Actual Waiver Costs must be calculated less the TPL recovery amount expected in the PCCM program.
Pharmacy Rebate Adjustment	The Capitated Waiver Cost Projection is created less the pharmacy rebate amount. That adjustment is subtracted from the combined Waiver Cost Projection adjustment.	The PCCM Actual Waiver Costs must be calculated less the pharmacy rebate amount expected in the PCCM program.

- n. Other adjustments: Federal law, regulation, or policy change: If the federal government changes policy affecting Medicaid reimbursement, the State must adjust P1 and P2 to reflect all changes.
- Once the State's FFS institutional excess UPL is phased out, CMS will no longer match excess institutional UPL payments.

- ◆ Excess payments addressed through transition periods should not be included in the 1915(b) cost-effectiveness process. Any State with excess payments should exclude the excess amount and only include the supplemental amount under 100% of the institutional UPL in the cost effectiveness process.
 - ◆ For all other payments made under the UPL, including supplemental payments, the costs should be included in the cost effectiveness calculations. This would apply to PCCM enrollees and to PAHP, PIHP or MCO enrollees if the institutional services were provided as FFS wrap-around. The recipient of the supplemental payment does not matter for the purposes of this analysis.
1. ___ No adjustment was made.
 2. ___ This adjustment was made (Please describe) This adjustment must be mathematically accounted for in **Appendix D5**.

I. Conversion or Renewal Waiver Cost Projection and Adjustments.

If this is an Initial waiver submission, skip this section: States may need to make certain adjustments to the Waiver Cost Projection in order to accurately reflect the waiver program. If the State has made an adjustment to its Waiver Cost Projection, the State should note the adjustment and its location in **Appendix D4**, and include information on the basis and method, and mathematically account for the adjustment in **Appendix D5**.

CMS should examine the Actual Waiver Costs to ensure that if the State did not implement a programmatic adjustment built into the previous Waiver Cost Projection, that the State did not expend funds associated with the adjustment that was not implemented.

If the State implements a one-time only provision in its managed care program (typically administrative costs), the State should not reflect the adjustment in a permanent manner. CMS should examine future Waiver Cost Projections to ensure one-time-only adjustments are not permanently incorporated into the projections.

- a. **State Plan Services Trend Adjustment** – the State must trend the data forward to reflect cost and utilization increases. The R1 and R2 (BY for conversion) data already include the actual Medicaid cost changes for the population enrolled in the program. This adjustment reflects the expected cost and utilization increases in the managed care program from R2 (BY for conversion) to the end of the waiver (P2). Trend adjustments may be service-specific and expressed as percentage factors. Some states calculate utilization and cost separately, while other states calculate a single trend rate. The State must document the method used and how utilization and cost increases are not duplicative if they are calculated separately. **This adjustment must be mutually exclusive of programmatic/policy/pricing changes and CANNOT be taken twice. The State must document how it ensures there is no duplication with programmatic/policy/pricing changes.**

1. ___ [Required, if the State's BY or R2 is more than 3 months prior to the beginning of P1] The State is using actual State cost increases to trend past data to the current time period (*i.e., trending from 1999 to present*) The actual trend rate used is: _____. Please document how that trend was calculated:
2. X [Required, to trend BY/R2 to P1 and P2 in the future] When cost increases are unknown and in the future, the State is using a predictive trend of either State historical cost

increases or national or regional factors that are predictive of future costs (same requirement as capitated ratesetting regulations) (*i.e., trending from present into the future*).

- i. X State historical cost increases. Please indicate the years on which the rates are based: base years Trends were developed from multiple time periods including SFY97 – SFY00, and SFY01 – SFY02. Overall trend in P2 is 12.7%; in P3 it is 12.9%. In addition, please indicate the mathematical method used (multiple regression, linear regression, chi-square, least squares, exponential smoothing, etc.). Finally, please note and explain if the State’s cost increase calculation includes more factors than a price increase such as changes in technology, practice patterns, and/or units of service PMPM.

Where credible experience is available, actual state historical trends were utilized. For example, state historical pharmacy PMPM trend from SFY01 – SFY02 was approximately 25 percent. This data was credible and consistent across MEGs. Relational smoothing was used to develop trends for other categories of service.

Due to the fact that the type of delivery system for mental health/substance abuse services changed from a fully capitated system to a Specialty Physician Case Management delivery system midway through the base year, state historical PMPM trends for these services were not consistent across time periods.

Due to the lack of credible data with which to produce trends for these services, National DRI Inpatient trends, as well as trends from other states Medicaid programs, were utilized.

Trends for the physical health services covered under the managed care and PCCM programs for the covered populations were developed from actual state historical PCCM claims data from SFY97 – SFY00. The annual P2 and P3 PMPM trends of 4.4 percent represent the actual PCCM PMPM trend seen in the historical data.

Utilization and inflation trends were not calculated separately, so they are not duplicative. There were no programmatic/policy/pricing changes included in the waiver submission.

- ii. National or regional factors that are predictive of this waiver’s future costs. Please indicate the services and indicators used . In addition, please indicate how this factor was determined to be predictive of this waiver’s future costs. Finally, please note and explain if the State’s cost increase calculation includes more factors than a price increase such as changes in technology, practice patterns, and/or units of service PMPM.
3. The State estimated the PMPM cost changes in units of service, technology and/or practice patterns that would occur in the waiver separate from cost increase. Utilization adjustments made were service-specific and expressed as percentage factors. The State has

documented how utilization and cost increases were not duplicated. This adjustment reflects the changes in utilization between R2 and P1 and between years P1 and P2.

- i. Please indicate the years on which the utilization rate was based (if calculated separately only).
- ii. Please document how the utilization did not duplicate separate cost increase trends.

- b. X **State Plan Services Programmatic/Policy/Pricing Change Adjustment:** These adjustments should account for any programmatic changes that are not cost neutral and that affect the Waiver Cost Projection. For example, changes in rates, changes brought about by legal action, or changes brought about by legislation. For example, Federal mandates, changes in hospital payment from per diem rates to Diagnostic Related Group (DRG) rates or changes in the benefit coverage of the FFS program. **This adjustment must be mutually exclusive of trend and CANNOT be taken twice. The State must document how it ensures there is no duplication with trend.** If the State is changing one of the aspects noted above in the FFS State Plan then the State needs to estimate the impact of that adjustment. *Note: FFP on rates cannot be claimed until CMS approves the SPA per the 1/2/01 SMD letter. Prior approval of capitation rates is contingent upon approval of the SPA.* The R2 data was adjusted for changes that will occur after the R2 (BY for conversion) and during P1 and P2 that affect the overall Medicaid program.

Others:

- Additional State Plan Services (+)
- Reductions in State Plan Services (-)
- Legislative or Court Mandated Changes to the Program Structure or fee schedule not accounted for in Cost increase or pricing (+/-)
- Graduate Medical Education (GME) Changes - This adjustment accounts for **changes** in any GME payments in the program. 42 CFR 438.6(c)(5) specifies that States can include or exclude GME payments from the capitation rates. However, GME payments must be included in cost-effectiveness calculations.
- Copayment Changes - This adjustment accounts for changes from R2 to P1 in any copayments that are collected under the FFS program, but not collected in the MCO/PIHP/PAHP capitated program. States must ensure that these copayments are included in the Waiver Cost Projection if not to be collected in the capitated program. If the State is changing the copayments in the FFS program then the State needs to estimate the impact of that adjustment.

1. X The State has chosen not to make an adjustment because there were no programmatic or policy changes in the FFS program after the MMIS claims tape was created. In addition, the State anticipates no programmatic or policy changes during the waiver period.
2. An adjustment was necessary and is listed and described below:
 - i. The State projects an externally driven State Medicaid managed care rate increases/decreases between the base and rate periods.
For each change, please report the following:
 - A. The size of the adjustment was based upon a newly approved State Plan Amendment (SPA). PMPM size of adjustment
 - B. The size of the adjustment was based on pending SPA. Approximate PMPM size of adjustment

- C. ☐ Determine adjustment based on currently approved SPA. PMPM size of adjustment _____
 - D. ☐ Other (please describe):
 - ii. ☐ The State has projected no externally driven managed care rate increases/decreases in the managed care rates.
 - iii. ☐ The adjustment is a one-time only adjustment that should be deducted out of subsequent waiver renewal projections (i.e., start-up costs). Please explain:
 - iv. ☐ Changes brought about by legal action (please describe):
For each change, please report the following:
 - A. ☐ The size of the adjustment was based upon a newly approved State Plan Amendment (SPA). PMPM size of adjustment _____
 - B. ☐ The size of the adjustment was based on pending SPA. Approximate PMPM size of adjustment _____
 - C. ☐ Determine adjustment based on currently approved SPA. PMPM size of adjustment _____
 - D. ☐ Other (please describe):
 - v. ☐ Changes in legislation (please describe):
For each change, please report the following:
 - A. ☐ The size of the adjustment was based upon a newly approved State Plan Amendment (SPA). PMPM size of adjustment _____
 - B. ☐ The size of the adjustment was based on pending SPA. Approximate PMPM size of adjustment _____
 - C. ☐ Determine adjustment based on currently approved SPA. PMPM size of adjustment _____
 - D. ☐ Other (please describe):
 - vi. ☐ Other (please describe):
 - A. ☐ The size of the adjustment was based upon a newly approved State Plan Amendment (SPA). PMPM size of adjustment _____
 - B. ☐ The size of the adjustment was based on pending SPA. Approximate PMPM size of adjustment _____
 - C. ☐ Determine adjustment based on currently approved SPA. PMPM size of adjustment _____
 - D. ☐ Other (please describe):
- c. **Administrative Cost Adjustment:** This adjustment accounts for **changes** in the managed care program. The administrative expense factor in the renewal is based on the administrative costs for the eligible population participating in the waiver for managed care. Examples of these costs include per claim claims processing costs, additional per record PRO review costs, and additional Surveillance and Utilization Review System (SURS) costs; as well as actuarial contracts, consulting, encounter data processing, independent assessments, EQRO reviews, etc. *Note: one-time administration costs should not be built into the cost-effectiveness test on a long-term basis. States should use all relevant Medicaid administration claiming rules for administration costs they attribute to the managed care program.* If the State is changing the administration in the managed care program, then the State needs to estimate the impact of that adjustment.
 - 1. ☐ No adjustment was necessary and no change is anticipated.
 - 2. ☒ An administrative adjustment was made.

- i. ____ Administrative functions will change in the period between the beginning of P1 and the end of P2. Please describe:
- ii. X Cost increases were accounted for.
 - A. X Determine administration adjustment based upon an approved contract or cost allocation plan amendment (CAP).
 - B. ____ Determine administration adjustment based on pending contract or cost allocation plan amendment (CAP).
 - C. ____ Other (please describe):
- iii. ____ [Required, when State Plan services were purchased through a sole source procurement with a governmental entity. No other State administrative adjustment is allowed.] If cost increase trends are unknown and in the future, the State must use the lower of: Actual State administration costs trended forward at the State historical administration trend rate or Actual State administration costs trended forward at the State Plan services trend rate. Please document both trend rates and indicate which trend rate was used.
 - A. Actual State Administration costs trended forward at the State historical administration trend rate. Please indicate the years on which the rates are based: base years _____. In addition, please indicate the mathematical method used (multiple regression, linear regression, chi-square, least squares, exponential smoothing, etc.). Finally, please note and explain if the State's cost increase calculation includes more factors than a price increase.
 - B. Actual State Administration costs trended forward at the State Plan Service Trend rate. Please indicate the State Plan Service trend rate from **Section D.IV.I.a.** above _____.

d. **1915(b)(3) Trend Adjustment:** The State must document the amount of 1915(b)(3) services in the R1/R2/BY **Section D.IV.I.a** above. The R1/R2/BY already includes the actual trend for the 1915(b)(3) services in the program. This adjustment reflects the expected trend in the 1915(b)(3) services between the R2/BY and P1 of the waiver and the trend between the beginning of the program (P1) and the end of the program (P2). Trend adjustments may be service-specific and expressed as percentage factors.

- 1. ____ [Required, if the State's BY or R2 is more than 3 months prior to the beginning of P1 to trend BY or R2 to P1] The State is using the actual State historical trend to project past data to the current time period (*i.e., trending from 1999 to present*). The actual documented trend is: _____. Please provide documentation.
- 2. X [Required, when the State's BY or R2 is trended to P2. No other 1915(b)(3) adjustment is allowed] If trends are unknown and in the future (*i.e., trending from present into the future*), the State must use the lower of State historical 1915(b)(3) trend or the State's trend for State Plan Services. Please document both trend rates and indicate which trend rate was used.
 - i. State historical 1915(b)(3) trend rates
 - 1. Please indicate the years on which the rates are based: base years SFY01 – SFY02.
 - 2. Please indicate the mathematical method used (multiple regression, linear regression, chi-square, least squares, exponential smoothing, etc.):

1915(b)(3) services were rendered through a fully capitated delivery system through December 31, 2001. As such, historical State experience is not available to develop prospective inflation rates. The historical trend rate of 3.0% for 1915(b)(3) services that was built into the capitation rates was used as the prospective annual trend rates going forward. The 3.0% is below the state historical physical health and behavioral health claim trends.

ii. State Plan Service Trend

1. Please indicate the State Plan Service trend rate from **Section D.IV.I.a.** above. The weighted annual PMPM trends for the P2 and P3 time periods are 12.7% and 12.9% respectively.

e. **Incentives (not in capitated payment) Trend Adjustment:** Trend is limited to the rate for State Plan services.

1. List the State Plan trend rate by MEG from **Section D.IV.I.a** P2 and P3 rates are shown consecutively.

MCHIP (CSHCN or AI/AN) = 6.5%, 6.5%

MCHIP (No CSHCN or AI/AN) = 10.1%, 10.3%

Title XIX (CSHCN or AI/AN) = 7.4%, 7.4%

Title XIX (No CSHCN or AI/AN) = 15.3%, 15.4%

2. List the Incentive trend rate by MEG if different from **Section D.IV.I.a.** For all MEGs, the P1 to P2 Incentive Cost Inflation Adjustment is 46.8% and from P2 to P3 it is -5.3%. The higher P1 to P2 trend is due to smaller initial contract year (SFY03/P1) incentive payment opportunities.
3. Explain any differences: Incentive PMPMs based upon projected contractual payments by SFY.

f. **Other Adjustments** including but not limited to federal government changes. (Please Describe):

- If the federal government changes policy affecting Medicaid reimbursement, the State must adjust P1 and P2 to reflect all changes.
- Once the State's FFS institutional excess UPL is phased out, CMS will no longer match excess institutional UPL payments.
 - ◆ Excess payments addressed through transition periods should not be included in the 1915(b) cost-effectiveness process. Any State with excess payments should exclude the excess amount and only include the supplemental amount under 100% of the institutional UPL in the cost effectiveness process.
 - ◆ For all other payments made under the UPL, including supplemental payments, the costs should be included in the cost effectiveness calculations. This would apply to PCCM enrollees and to PAHP, PIHP or MCO enrollees if the institutional services were provided as FFS wrap-around. The recipient of the supplemental payment does not matter for the purposes of this analysis.

1. No adjustment was made.

2. X This adjustment was made (Please describe). This adjustment must be mathematically accounted for in **Appendix D5.**

The type of delivery system for behavioral health services changed from a fully capitated system to a SPCM system in the middle of the base year (SFY02). As is typical with such a change, paid claims for these services during the second half of the base year were

understated due to issues such as reporting and claims payment lags. In order not to understate the projected claims experience for the prospective time periods, an adjustment was made to the base year. This adjustment increased the paid claims in the second half of the base year to be more representative of what actual paid experience will look like. Paid claims experience for these services from the most recent time period were used in the development of this adjustment. This adjustment occurs in the development of the base year cost, and is not explicitly detailed in Appendix D.5.

J. Appendix D5 – Waiver Cost Projection

The State should complete these appendices and include explanations of all adjustments in **Section D.IV.H and D.IV.I** above.

K. Appendix D6 – RO Targets

The State should complete these appendices and include explanations of all trends in enrollment in **Section D.IV.E.** above.

L. Appendix D7 - Summary

- a. Please explain any variance in the overall percentage change in spending from BY/R1 to P2.
 1. Please explain caseload changes contributing to the overall annualized rate of change in **Appendix D7 Column I**. This response should be consistent with or the same as the answer given by the State in **Section D.IV.E. c & d**: Appendix D7 Column I trends are PMPM trends, and do not reflect caseload changes. Caseload assumed to increase 5.5% per year as shown in Appendix D1 Member Months.
 2. Please explain unit cost changes contributing to the overall annualized rate of change in **Appendix D7 Column I**. This response should be consistent with or the same as the answer given by the State in the State's explanation of cost increase given in **Section D.IV.H and D.IV.I**: PMPM claim cost trends not separated into unit cost and utilization components.
 3. Please explain utilization changes contributing to the overall annualized rate of change in **Appendix D7 Column I**. This response should be consistent with or the same as the answer given by the State in the State's explanation of utilization given in **Section D.IV.H and D.IV.I**: PMPM claim cost trends not separated into unit cost and utilization components.
 4. Please note any other principal factors contributing to the overall annualized rate of change in **Appendix D7 Column I**. None.